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Vital Statistics Summary 1978

Government of the District of Columbia

Marion Barry, Jr. Mayor

The Department of Human Services does not discriminate on the basis of race, color, national origin, or handicap

Vital Statistics Summary
1978

A Report of the Department of Human Services

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Director

Office of Policy and Planning
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SYMBOLS USED IN TABLES

Data not Available	---
Not Applicable	...
Rate not Computed Because of Small Frequency	..
Quantity Zero in Frequency Tables	—
Denominator Zero in Rate or Percent Tables	—
Numerator Zero in Rate or Percent Tables	0

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VITAL STATISTICS SUMMARY
1978

INTRODUCTION

This is a report on vital events (live births, deaths and fetal deaths) for the District of Columbia in calendar year 1978. Although data are included on events occurring within the District to non residents, primary emphasis is on events occurring to District of Columbia residents. The report was prepared by Warren W. Morse with the assistance of Mary E. Byrnes, under the direction of Grover H. Chamberlain, Acting Chief, Research and Statistics Division, Office of Policy and Planning, Department of Human Services. Tables and Text were verified by Ms. Josie Dyson.

SOURCE OF DATA. Vital statistics are derived entirely from live birth, death and fetal death certificates. All live births and deaths occurring within the District of Columbia are registered with the Vital Records Section, Research and Statistics Division, Department of Human Services, as are known fetal deaths of 20 weeks or more gestation. Vital events occurring to District residents in other States are registered in those States, and copies are sent to the Vital Records Section through a nationwide interchange system.

Vital statistics shown for 1954-1978 have been tabulated by this Division. Statistics for events occurring prior to 1954 were obtained from the National Center for Health Statistics.

The statistics for 1978 cover all 1978 events for which certificates were filed or transcripts received from other States before May 15, 1979. The number of certificates excluded for 1978 or any other year because of late filing is considered negligible for statistical purposes.

REGISTRATION COMPLETENESS. The registration of live births and of deaths in the District of Columbia is considered to be virtually complete. The degree of registration completeness for fetal deaths is not known. D.C. law requires registration only for 20 weeks or over gestation and since the gestation period cannot always be calculated exactly some reportable fetal deaths are probably not registered. It is also possible that some of those which are registered are actually of less than 20 weeks gestation.

CALCULATION OF RATES. Death, birth and fertility rates are based on enumerated population as of April 1 for census years, and on estimated population as of July 1 for all other years. These rates are expressed per 1,000 population except for death rates by cause of death, which are per 100,000 population. Rates are per 1,000 live births for infant deaths, per 10,000 live births for maternal deaths, and per 1,000 deliveries (live births plus fetal deaths) for fetal deaths and perinatal deaths. Comparability of trend data for birth and death rates is limited by the difficulties in preparing reliable estimates of population for intercensal years.

AVAILABILITY OF ADDITIONAL DATA. More detailed information on vital events for 1978 or prior years is available on request from the Chief, Research and Statistics Division, Department of Human Services, 614 H Street, N.W., Washington, D.C. 20001.

DEFINITIONS. Terms used in this report are defined as follows:
Residence is defined as that of the deceased for a death and as that of the mother for a birth or fetal death. Deaths and births in institutions located in the District are allocated to the place of previous residence regardless of length of stay in the institution. All tables refer to resident events except as noted. Most tables refer to resident events which include birth and death certificates received for residents of the city irrespective of where the event occurred. The tables referring to recorded events include births and deaths which occurred in the District of Columbia irrespective of the place of residence given on the certificates.

A live birth is defined as the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which after such expulsion or extraction, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

An immature birth is one for which the birth weight is 2,500 grams or less (5 pounds, 8 ounces or less), regardless of the period of gestation.

A premature birth is one which occurred prior to 37 weeks gestation.

An out-of-wedlock birth is one which occurred to a mother who was separated from spouse or not married at the time of birth and had not been living with spouse or married any time during the preceding 10 months.

A fetal death is defined as death, prior to the complete expulsion or extraction from its mother, of a product of human conception of 20 weeks or more duration of pregnancy; the death is indicated by the fact that after such expulsion or extraction the fetus never breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movements of voluntary muscles.

An infant death is the death of a child under one year of age.

A neonatal death is the death of a child under 28 days of age.

The underlying cause of death, by which all deaths are classified, may be defined as (a) the disease or injury which initiated the train of morbid events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury[1]. It is the responsiblity of the certifying

[1] Manual of the International Statistical Classification of Disease, Injuries, and Cause of Death, Seventh Revision, 1955, Volume 1, page 357.

physician or medical examiner to indicate the underlying cause, and it is the responsibility of the Research and Statistics Division to assign the proper code number so that deaths may be classified by cause. Starting with the 1968 report, causes of death are coded under the provisions of the "Eighth Revision International Classification of Diseases, adapted for use in the United States" (ICDA).

Leading Causes of Death

Cause-of-death ranking is based on the List of 69 Selected Causes of Death, adapted from one of the special lists for mortality tabulations recommended by the World Health Organization for use with the Eighth Revision of the International Classification of Diseases. Two group titles - Major cardiovascular diseases and Symptoms and ill-defined conditions - are not ranked. In addition, category titles that begin with words "Other" or "All other" are not ranked. The remaining titles are ranked to determine the leading causes of death. When one of the titles that represents a subtotal is ranked (e.g., Tuberculosis, all forms), its component parts (in this case of Tuberculosis of respiratory system and Tuberculosis, other forms) are not ranked.

Race: When the word "Black" is used in this report, either in tables or text, it means "Black and other non-white races". In 1970 approximately one percent of the total population was neither black nor white:

Rates used in this report are defined as outlined below:

Birth rate	$\frac{\text{Number of live births}}{\text{Estimated midyear population,}}$	X 1,000
Out-of-wedlock ratio	$\frac{\text{Number of out-of-wedlock births}}{\text{Number of live births}}$	X 1,000

Age-specific birth rate	Number of live births to women in specific age group / Estimated midyear female population in that age group	X 1,000
Fertility rate	Number of live births / Estimated midyear female population 15-44 years old	X 1,000
Death rate	Number of deaths / Estimated midyear population	X 1,000 (or 100,000) as specified
Age-specific death rate	Number of deaths in specific age group / Estimated midyear population in that age group	X 100,000
Infant death rate	Number of deaths under one year of age / Total number of live births	X 1,000
Neonatal death rate	Number of deaths under 28 days of age / Total number of live births	X 1,000
Fetal death ratio	Number of fetal deaths (gestation 20 weeks or over) / Total number of live births	X 1,000
Maternal death rate	Number of deaths due to Complication of Pregnancy, Childbirth, and Puerperium / Total number of live births	X 10,000

Age-adjusted death rates - The direct method of age adjustment has been used with the 1940 U.S. enumerated population as the standard. Age-adjusted rates facilitate the comparison of rates among different population groups and at different times by removing the effect of differences in age composition. Therefore, it is important to realize that the rates are largely dependent upon the choice of the standard population and must only be used in comparision to rates using the same standard. These rates should not not be quoted out of context and should be used for comparative purposes only in relation to other age-adjusted rates computed with the same standard.

Ward - In 1976 the eight election wards became the major geographic subdivisions of the city. Figure 1 shows the boundaries of the eight wards.

Table and Chart Identification - Text tables are identified by letters of the alphabet; charts are Figures 1, 2, etc.; and reference tables are identified by number.

POPULATION

The estimated population for 1978, by age, race and sex, is shown in Table 1.

The major vital statistics for District of Columbia residents are shown in Table A for 1978 and the eight preceding years, 1970-1977. Also included are the total numbers of births and deaths occurring in the District to residents and non-residents and the numbers occurring to residents outside the District. Many of the birth statistics for 1978 alone are shown by ward in Table B.

LIVE BIRTHS

From 1970 through 1978 there was a steep decline in the number of resident live births, from 14,960 to 9,372, a drop of 37.4 percent. Changes in the numbers of births are important for planning purposes, since the numbers determine the need for obstetrical and infant care facilities and for the health personnel specializing in maternal and infant care. In addition, changes in the numbers of births are watched closely by demographers. The question arises, therefore, of whether a continued decline in births can be predicted on the basis of recent trends.

Parenthetically, it should be noted that the trend data do not indicate a lessening of total need for obstetrical and infant care facilities or personnel. Total births occurring in the District dropped from 28,141 in 1970 to 20,696 in 1973, but the number has stabilized since then. The question of future needs would refer only to prenatal and post-discharge maternal and infant care for District residents.

During this period, 1970-1978, there was a decline of 10.6 percent in total District population but this does not explain the drop in resident live births. The number of women of childbearing age was 178,000 in 1978, a decline of only 1.9 percent since 1970. In other words, there was very little change in the number of women "at risk" of giving birth - the great change was in the rate of doing so. This is measured by the fertility rate - the number of births per 1,000 women aged 15-44 years - which has dropped by 36.1 percent since 1970.

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978

Year	Live births						Live births		
	Total		Black		White				
	Number	Rate*	Number	Rate*	Number	Rate*	Male	Female	Sex ratio*
1978..	9,372	13.9	8,004	15.9	1,368	7.9	4,728	4,644	1,018
1977..	9,885	14.3	8,515	16.4	1,370	8.0	4,985	4,900	1,017
1976..	9,635	13.6	8,293	15.4	1,342	7.9	4,874	4,761	1,024
1975..	9,746	13.5	8,462	15.1	1,284	7.9	4,942	4,804	1,029
1974..	10,037	13.8	8,737	15.6	1,300	7.7	5,105	4,932	1,035
1973..	10,837	14.7	9,413	16.8	1,424	8.0	5,572	5,265	1,058
1972..	11,886	15.8	10,518	18.6	1,368	7.3	5,989	5,897	1,016
1971..	13,914	18.5	12,131	21.9	1,783	8.9	7,082	6,832	1,037
1970..	14,960	19.8	13,091	24.0	1,869	8.9	7,664	7,296	1,050

* Rate per 1,000 population

* Ratio of Males per 1,000 Females

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Deaths - all ages						Infant deaths					
	Total		Black		White		Total		Black		White	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
1978..	6,959	10.3	4,776	9.5	2,183	12.6	242	25.8	229	28.6	13	9.5
1977..	7,064	10.2	4,828	9.3	2,236	13.0	270	27.3	251	29.5	19	13.9
1976..	7,238	10.2	4,940	9.2	2,298	13.6	240	24.9	230	27.7	10	7.5
1975..	7,446	10.3	5,018	9.0	2,428	14.9	279	28.6	254	30.0	25	19.5
1974..	7,815	10.7	5,200	9.3	2,615	15.5	277	27.6	255	29.2	22	16.9
1973..	8,017	10.8	5,172	9.2	2,845	15.9	276	25.5	245	26.0	31	21.8
1972..	8,313	11.0	5,419	9.8	2,894	14.4	323	27.2	296	28.1	27	19.7
1971..	8,405	11.2	5,429	9.8	2,976	14.8	396	28.5	368	30.3	28	15.7
1970..	8,690	11.5	5,360	9.8	3,330	15.9	432	28.9	389	29.7	43	23.0

* Rate per 1,000 population

* Rate per 1,000 Live Births

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Perinatal deaths (Fetal Plus Neonatal)						Maternal deaths					
	Total		Black		White		Total		Black		White	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
1978..	316	33.2	293	36.0	23	16.7	-	0	-	0	-	0
1977..	363	36.1	341	39.3	22	16.0	3	3.0	3	3.5	-	0
1976..	362	36.9	342	40.5	20	14.7	2	2.1	2	2.4	-	0
1975..	369	37.3	336	39.1	33	25.5	4	4.1	4	4.7	-	0
1974..	356	35.0	323	36.4	33	25.1	4	4.0	4	4.6	-	0
1973..	349	31.8	326	34.2	37	25.7	2	1.8	2	2.1	-	0
1972..	485	40.0	429	40.0	56	39.9	2	1.7	2	1.9	-	0
1971..	580	40.8	513	41.5	67	36.6	4	2.9	3	2.5	1	5.6
1970..	597	39.2	531	39.9	66	34.8	11	7.4	10	7.6	1	5.4

* Rate per 1,000 deliveries

* Rate per 10,000 live births

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Low birth weight births (birth weight under 2501 grams)						First order births					
	Total		Black		White		Total		Black		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1978...	1,239	13.2	1,143	14.3	96	7.0	4,372	46.6	3,631	45.4	741	54.2
1977...	1,330	13.5	1,239	14.6	91	6.6	4,633	46.9	3,886	45.6	747	54.5
1976...	1,217	12.6	1,136	13.7	81	6.0	4,674	48.5	3,917	47.2	757	56.4
1975...	1,333	13.7	1,255	14.8	78	6.1	4,739	48.6	4,007	47.4	732	57.0
1974...	1,325	13.2	1,245	14.2	80	6.2	4,881	48.6	4,148	47.5	733	56.4
1973...	1,349	12.4	1,256	13.3	93	6.5	5,343	49.3	4,553	48.4	790	55.5
1972...	1,490	12.5	1,407	13.4	83	6.1	5,666	47.7	4,942	47.0	724	52.9
1971...	1,731	12.4	1,631	13.4	100	5.6	6,431	46.2	5,424	44.7	1,007	56.5
1970...	1,959	13.1	1,795	13.7	164	8.8	6,799	45.4	5,768	44.1	1,031	55.2

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Neonatal deaths						Fetal deaths					
	Total		Black		White		Total		Black		White	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
1978..	179	19.1	168	21.0	11	8.0	137	14.4	125	15.4	12	8.7
1977..	203	20.3	189	22.2	14	10.2	160	15.9	152	17.5	8	5.8
1976..	193	20.0	188	22.7	5	3.7	169	17.2	154	18.2	15	11.1
1975..	220	22.6	198	23.4	22	17.1	149	15.1	138	16.0	11	8.5
1974..	216	21.5	196	22.4	20	15.4	140	13.8	127	14.3	13	9.9
1973..	208	19.2	185	19.7	23	16.2	141	12.8	127	13.3	14	9.7
1972..	235	19.8	213	20.3	22	16.1	250	20.6	216	20.1	34	24.3
1971..	294	21.1	273	22.5	21	11.8	286	20.1	240	19.4	46	25.2
1970..	339	22.7	303	23.1	36	19.3	258	17.0	228	17.1	30	15.8

* Rate per 1,000 Live Births

* Rate per 1,000 deliveries

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Out-of-wedlock births						Fertility Rate (Per 1,000 women 15-44 years)		
	Total		Black		White				
	Number	Percent	Number	Percent	Number	Percent	Total	Black	White
1978...	5,186	55.3	5,016	62.7	170	12.4	52.7	58.2	33.9
1977...	5,243	53.0	5,074	59.6	169	12.3	55.0	60.6	35.1
1976...	5,065	52.6	4,886	58.9	179	13.3	53.1	57.6	35.7
1975...	4,988	51.2	4,822	57.0	166	12.9	54.6	59.4	35.7
1974...	4,994	49.8	4,801	55.0	193	14.8	55.5	61.4	33.7
1973...	5,061	46.7	4,856	51.6	205	14.4	60.1	67.1	33.5
1972...	5,509	46.3	5,359	51.0	150	11.0	65.6	75.9	32.1
1971...	5,974	42.9	5,740	47.3	234	13.1	76.5	89.6	38.4
1970...	6,104	40.8	5,855	44.7	249	13.3	82.5	97.1	40.1

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Births to mothers under 20 years of age						Births to mothers under 18 years of age					
	Total		Black		White		Total		Black		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1978..	2,087	22.3	2,013	25.1	74	5.4	968	10.3	933	11.7	35	2.6
1977..	2,253	22.8	2,188	25.7	65	4.7	1,053	10.7	1,030	12.1	23	1.7
1976..	2,356	24.5	2,264	27.3	92	6.9	1,107	11.5	1,070	12.9	37	2.8
1975..	2,636	27.0	2,523	29.8	113	8.8	1,232	12.6	1,178	13.9	54	4.2
1974..	2,809	28.0	2,684	30.7	125	9.6	1,343	13.4	1,285	14.7	58	4.5
1973..	3,028	27.9	2,903	30.8	125	8.8	1,499	13.8	1,437	15.3	62	4.4
1972..	3,386	28.5	3,314	31.5	72	5.3	1,657	13.9	1,635	15.5	22	1.6
1971..	3,822	27.5	3,682	30.4	140	7.9	1,783	12.8	1,746	14.4	37	2.1
1970..	4,007	26.8	3,851	29.4	156	8.3	1,861	12.4	1,820	13.9	41	2.2

TABLE A.--VITAL STATISTICS SUMMARY SHEET:
DISTRICT OF COLUMBIA RESIDENTS, 1970-1978, CONTINUED

Year	Recorded events-in D.C.		Resident events-outside D.C.	
	Births	Deaths	Births	Deaths
1978.....	19,743	8,755	413	649
1977.....	20,653	8,987	436	621
1976.....	19,916	9,183	431	716
1975.....	19,826	9,423	359	731
1974.....	19,865	9,786	337	814
1973.....	20,696	9,850	383	927
1972.....	22,600	10,153	413	961
1971.....	25,932	10,291	473	1,024
1970.....	28,141	10,526	562	1,105

Table B.--NUMBER AND PRECENT DISTRIBUTION OF RESIDENT LIVE BIRTHS, AND BIRTHS WITH SELECTED CHARACTERISTICS (OUT OF WEDLOCK, PREMATURE, IMMATURE AND WITH INADEQUATE PRENATAL CARE) BY RACE AND WARD: DISTRICT OF COLUMBIA, 1978

Race & Selected Characteristics	Total	Ward								
		1	2	3	4	5	6	7	8	unknown
All Races										
Total live births.....	9,372	1,280	977	629	970	1,158	1,099	1,423	1,812	24
Percent distribution..	100.0	13.7	10.4	6.7	10.3	12.4	11.7	15.2	19.3	0.3
Out-of-wedlock births										
Number.....	5,186	680	561	90	469	741	667	897	1,070	11
Ratio per 1,000 live births.....	553.4	531.3	574.2	143.1	483.5	639.9	606.9	630.4	590.5	458.3
Premature births[1]										
Number.....	1,406	211	152	40	144	189	185	220	262	3
Percent of total births.....	15.0	16.5	15.6	6.4	14.8	16.3	16.8	15.5	14.5	12.5
Percent distribution.	100.0	15.0	10.8	2.8	10.2	13.4	13.2	15.6	18.6	0.2
Immature births[2]										
Number.....	1,239	176	122	42	125	157	156	202	256	3
Percent of total births.....	13.2	13.8	12.5	6.7	12.9	13.6	14.2	14.2	14.1	12.5
Percent distribution.	100.0	14.2	9.8	3.4	10.1	12.7	12.6	16.3	20.7	0.2
Inadequate prenatal care[3]										
Number.....	719	92	98	39	64	91	114	96	123	2
Percent of total births.....	7.7	7.2	10.0	6.2	6.6	7.9	10.4	6.7	6.8	8.3
Percent distribution.	100.0	12.8	13.6	5.4	8.9	12.7	15.9	13.4	17.1	0.3

[1] Less than 37 weeks period of gestation.

[2] Birth weight of 2,500 grams or less.

[3] Prenatal care initiated in last trimester (28 weeks or more) or no prenatal care.

Table B.--NUMBER AND PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS, AND BIRTHS WITH SELECTED CHARACTERISTICS (OUT OF WEDLOCK, PREMATURE, IMMATURE AND WITH INADEQUATE PRENATAL CARE) BY RACE AND WARD: DISTRICT OF COLUMBIA, 1978

Race & Selected Characteristics	Total	Ward								
		1	2	3	4	5	6	7	8	unknown
Black										
Total live births.....	8,004	1,059	794	109	902	1,120	980	1,381	1,640	19
Percent distribution..	100.0	13.2	9.9	1.4	11.3	14.0	12.2	17.3	20.5	0.2
Out-of-wedlock births										
Number.....	5,016	635	537	48	454	734	658	886	1,054	10
Ratio per 1,000 live births.....	626.7	599.6	676.3	440.4	503.3	655.4	671.4	641.6	642.7	526.3
Premature births[1]										
Number.....	1,316	194	134	12	135	188	177	218	255	3
Percent of total births.....	16.4	18.3	16.9	11.0	15.0	16.8	18.1	15.8	15.5	15.8
Percent distribution.	100.0	14.7	10.2	0.9	10.3	143	13.4	16.6	19.4	0.2
Immature births[2]										
Number.....	1,143	159	112	13	114	156	149	199	239	2
Percent of total births.....	14.3	15.0	14.1	11.9	12.6	13.9	15.2	14.4	14.6	10.5
Percent distribution.	100.0	13.9	9.9	1.1	10.0	13.6	13.0	17.4	20.9	0.2
Inadequate prenatal care[3]										
Number.....	625	68	80	13	56	86	112	91	118	1
Percent of total births.....	7.8	6.4	10.1	11.9	6.2	7.7	11.4	6.6	7.2	5.3
Percent distribution.	100.0	10.9	12.8	2.1	9.0	13.8	17.9	14.6	18.9	0.2

[1] Less than 37 weeks period of gestation.
[2] Birth weight of 2,500 grams or less.
[3] Prenatal care initiated in last trimester (28 weeks or more) or no prenatal care.

Table B.--NUMBER AND PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS, AND BIRTHS WITH SELECTED CHARACTERISTICS (OUT OF WEDLOCK, PREMATURE, IMMATURE AND WITH INADEQUATE PRENATAL CARE) BY RACE AND WARD: DISTRICT OF COLUMBIA, 1978

Race & Selected Characteristics	Total	Ward								
		1	2	3	4	5	6	7	8	unknown
White										
Total live births.....	1,368	221	183	520	68	35	119	42	172	5
Percent distribution..	100.0	16.2	13.4	38.0	5.0	2.8	8.7	3.1	12.6	0.4
Out-of-wedlock births										
Number.....	170	45	24	42	15	7	9	11	16	1
Ratio per 1,000 live births.....	124.3	203.6	131.1	80.8	220.6	184.2	75.6	261.9	93.0	200.0
Premature births[1]										
Number.....	90	17	18	28	9	1	8	2	7	-
Percent of total births.....	6.6	7.7	9.8	5.4	13.2	2.6	6.7	4.8	4.1	-
Percent distribution.	100.0	18.9	20.0	31.1	10.0	1.1	8.9	2.2	7.8	-
Immature births[2]										
Number.....	96	17	10	29	11	1	7	3	17	1
Percent of total births.....	7.0	7.7	5.5	5.6	16.2	2.6	5.9	7.1	9.9	20.0
Percent distribution.	100.0	17.7	10.4	30.2	11.5	1.0	7.3	3.1	17.7	1.0
Inadequate prenatal care[3]										
Number.....	94	24	18	26	8	5	2	5	5	1
Percent of total births.....	6.9	10.9	9.8	5.0	11.8	13.2	1.7	11.9	2.9	20.0
Percent distribution.	100.0	25.5	19.1	27.7	8.5	5.3	2.1	5.3	5.3	1.1

[1] Less than 37 weeks period of gestation.

[2] Birth weight of 2,500 grams or less

[3] Prenatal care initiated in last trimester (28 weeks or more) or no prenatal care.

It can be seen from the above figures that any projections of future birth trends would be behavioral rather than statistical since the potential exists for a reversal of the trend. There are, however, some demographic characteristics of births which would enter into an assessment of future childbearing behavior, and these are discussed below.

Out-of-wedlock births.--From 1970 to 1978 the number of infants born out of wedlock dropped 15.0 percent from 6,104 to 5,186 while the number born to married women dropped 52.7 percent, from 8,856 to 4,186. If it is assumed that the proportion of women of childbearing age who are married remained fairly constant it can be seen that the overall decline in births has resulted primarily from decisions by married women.

It can be seen in Table A that the number of out-of-wedlock births declined each year from 1970 to 1975, when it was 4,988, and remained about the same in 1976. The numbers of 5,243 and 5,186 out-of-wedlock births in 1977 and 1978 respectively show that projections of this statistic into the future would be difficult.

Age of mother.--Each year women aged 20-24 years have more births than women in any other five-year age group and the decline in births in this age group from 1970 to 1978, 41.9 percent, is comparable to the decline in total births. During this period there was a shift in the proportional distribution of births by age, women aged 25-29 years having replaced those 15-19 as the second most prolific age group and the number of births to women under 20 years dropped 47.9 percent compared with a drop of only 21.2 percent in births to women 30 years and older.

These shifts reflect different distributions of women by age. In this childbearing age group in both 1970 and 1978 there were more women aged 20-24 than in any other five-year group but the group with the next highest number of women changed from 15-19 years in 1970 to 25-29 years in 1978. Unless offset by population gains or losses through migration, within five years (by 1983) the most populous age groups will be 25-29 and 30-34 years.

In the absence of gain or loss through migration, females aged 10-39 years in 1978 will be 15-44 years old in 1983. If at each five year age group the birth rate is the same then as it was in 1978 there will be 8,778 live births, plus about 100 to mothers of less than 15 years, 45 years or older, or of unknown age.

Although the number of births to teen-age mothers dropped by 47.9 percent since 1970 these births still constitute a substantial proportion of total births to District residents. Numbers of births, and what percent they were of the total, are shown in Table A for mothers 17 years and under and mothers 19 years and under. It can be seen that since 1974 the percent figures declined each year.

Low birth weight.--The major indicator of poor pregnancy outcome is low birth weight, defined as 2,500 grams or less. It can be seen in Table A that 13.2 percent of all District infants were of low birth weight in 1978, and that in spite of some year-by-year fluctuation there were no large changes after 1970. The incidence of low birth weight was more than twice as high among blacks as among whites, in 1971 and each succeeding year.

That the incidence of low birth weight is relatively high in the District can be seen by comparing it with the national incidence. The 1978 national figures are not yet available, but the following figures for 1977 serve to illustrate the extent of the District's "excess" low birth weight:

Percentage of Infants 2,500 Grams or Less at Birth, 1977

	Total	Black	White
D.C.	13.5	14.6	6.6
U.S.	7.1	12.8	5.9

As can be seen, the District's incidence was higher for both black and white infants, by 14.1 percent and 11.9 percent, respectively. The fact that the District's overall incidence was 90.1 percent above the national figure is explained by the much greater proportion of our births which are black - 86.1 percent in 1977 compared with 16.4 percent nationally.

The distribution of District resident births in 1978 by detailed birthweight categories, shown as rates per 1,000 live births, are compared in Table C with the 1977 distribution of all national births. In every low birth weight category, and at 2,501-3,000 grams, the District's incidence of low birth weight is higher than the national averages. At 3,001-3,500 grams the District's incidence was virtually the same as the national rate and, at 4,001-5,000 grams the U.S. incidence was about twice that of the District.

Gestational age.--Prematurity (i.e. birth before the completion of 37 weeks of gestation) is closely associated with low birth weight although some prematures weigh more than 2,500 grams at birth and some low birthweight babies are full term. In 1978 there were 1,406 known prematures, 15.0 percent of total births. This figure is an understatement, since length of gestation is unknown for 808 births. For the 8,564 births of known gestational age, 16.4 percent were premature, and the assumption that the 808 births for whom this was not stated did not differ on gestational age from those for whom it was reported, this figure can be taken as more accurate.

The computation of gestational age is based on the mother's report of the first day of the last normal menses, and there has been no study of the reliability of this reporting. One source of inaccuracy is that when a month is given, but no day, it is coded as the 15th of the month in order to reduce the number of unknowns.

Trends in live birth order.--From 1970 to 1978 the number of live births dropped 37.4 percent although the number of women of childbearing age declined by only 1.9 percent. In the first four years of this period, 1970-1973, the decline was noted most strongly among third and higher order births. As a result, first order births rose from being 45.4 percent of all births in 1970 to 49.3 percent in 1973.

Table C.- DISTRIBUTION (Per 1,000) OF LIVE BIRTHS BY BIRTH WEIGHT: DISTRICT OF COLUMBIA, 1978 AND UNITED STATES, 1977

Birth Weight (in grams)	District of Columbia 1978	United States 1977
Total.....	1,000.0	1,000.0
500 or less..	6.6	0.9
501-1,000....	10.7	4.3
1,001-1,500..	14.1	6.1
1,501-2,000..	27.0	13.7
2,001-2,500..	75.2	45.6
2,501-3,000..	239.6	170.2
3,001-3,500..	374.1	374.0
3,501-4,000..	201.1	282.8
4,001-5,000..	49.1	98.4
5,001 or more	0.4	2.0

Birth order data are shown in Table D for the years 1970 to 1978. It can be seen that from 1974 on the decline has been greatest among first order births. Suprisingly, the number of third and fourth order births increased each year from 1974 to 1977 and, although the numbers decreased again in 1978, were still higher than they had been in 1974. It can be seen that first order births (which represent new family starts) actually increased from 1976 to 1977, counter to an otherwise unbroken downward trend, before falling to a new low in 1978.

The figures in Table D illustrate the difficulty of making predictions about future birth trends among District residents. There may be a slight tendency to increase family size among the ever fewer women who have babies at all so that if new family starts stabilize, i.e., do not drop, there may be an upturn in the number of births. The data, however, do not give any firm basis for making predictions.

In Table 6 the detailed birth order figures are shown, by race, for single years from 1975 to 1978 and as annual averages for the three five-year periods from 1960 through 1974. Births by birth order and age of mother are shown for total, single and plural births in Table 7, and, for total births only, by race in Tables 8 and 9.

Ward data.--The distribution of births in 1978, and the incidence of selected high risk characteristics, are shown by race and ward in Table B. The incidence of each risk characteristic was lowest in Ward 3 but the only other clear-cut generalization to be made is that Ward 6 ranked highest on the percent of births which were premature or had no or inadequate prenatal care, and was tied with Ward 7 for highest percentage of low birth weight births.

If the wards were given a composite ranking on these four risk factors (which would assume that all factors were of equal importance), Ward 6 would rank highest in the incidence of risk, with Wards 5, 7 and 1 ranking second, third and fourth. In descending order, the four lowest risk wards would be wards 2,8,4 and 3.

Table D.--NUMBER AND PERCENT DISTRIBUTION OF BIRTHS BY LIVE BIRTH ORDER: DISTRICT OF COLUMBIA, 1970-1978

Year	Total	Live Birth Order				
		First	Second	Third	Fourth	all other *
1978						
Number....	9,372	4,372	2,626	1,284	559	531
Percent...	100.0	46.6	28.0	13.7	6.0	5.7
1977						
Number....	9,885	4,633	2,741	1,348	603	560
Percent...	100.0	46.9	27.7	13.6	6.1	5.7
1976						
Number....	9,635	4,587	2,632	1,237	594	585
Percent...	100.0	47.6	27.3	12.8	6.2	6.1
1975						
Number....	9,746	4,739	2,723	1,190	535	559
Percent...	100.0	48.6	27.9	12.2	5.5	5.7
1974						
Number....	10,037	4,881	2,768	1,224	548	616
Percent...	100.0	48.6	27.6	12.2	5.5	6.1
1973						
Number....	10,837	5,343	2,859	1,317	640	678
Percent...	100.0	49.3	26.4	12.2	5.9	6.3
1972						
Number....	11,886	5,666	3,126	1,480	748	866
Percent...	100.0	47.7	26.3	12.5	6.3	7.3
1971						
Number....	13,914	6,431	3,665	1,760	911	1,147
Percent...	100.0	46.2	26.3	12.6	6.5	8.2
1970						
Number....	14,960	6,799	3,801	1,934	1,058	1,368
Percent...	100.0	45.4	25.4	12.9	7.1	9.1

* Includes statistically insignificant numbers of births of not stated birth order. For example, there were 10 in 1978.

DEATHS

The number of deaths declined each year from 9,690 in 1970 to 6,959, an over-all drop of 19.9 percent. In the same period, the crude death rate dropped 10.4 percent, from 11.5 per 1,000 population in 1970 to 10.3 in 1978. In other words, about half the numerical drop resulted from the drop in population.

Age-adjusted death rates.--It is obvious that the chances of dying are related to age, so that over a period of years changes in the death rate may reflect only changes in a population's age distribution. The effect of such changes is accounted for by calculating age-adjusted death rates(see Definitions). The age-adjusted death rates in Table E show what the death rates would have been in the years 1970 to 1978 if in each of these years the total population and the race and sex groups had had the same age distribution as the United States population in 1940.

It can be seen from this table that from 1970 to 1978 there was a "real" drop of 20.0 percent in the force of mortality, and there were decreases of various magnitude for each race sex group. It can also be seen that throughout this period death rates were higher for males than for females, regardless of race, and higher for blacks than for whites, regardless of sex.

The percent decrease is also shown for 1970 to 1977 to permit comparision with the United States age-adjusted death rates shown in Table F. National mortality data are not yet available by race and sex for 1978. The difference between the District's rate of 8.2 per 1,000 population in 1977 and the national rate of 6.1 is a measure of excess mortality in the District. As can be seen, this excess was in deaths of blacks, particularly black males. The age-adjusted death rate for District black males in 1977 was 55.6 percent higher than the national rate for all males, compared with an excess nationally for black males of 29.6 percent over the national rate for all males.

Table E.--AGE ADJUSTED DEATH RATES BY RACE AND SEX:
DISTRICT OF COLUMBIA, 1970-1978

Year	All Races			Black			White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1978.....	8.0	10.9	6.0	9.4	12.7	6.9	5.5	7.3	4.4
1977.....	8.2	11.0	6.1	9.5	12.6	7.1	5.9	7.6	4.7
1976.....	8.3	11.1	6.2	9.7	12.9	7.2	5.6	7.3	4.5
1975.....	8.7	11.6	6.5	9.7	12.9	7.2	6.8	8.7	5.5
1974.....	9.2	12.3	7.0	10.2	13.5	7.6	7.1	9.4	5.6
1973.....	9.3	12.1	7.1	10.2	13.3	7.7	7.5	9.6	6.2
1972.....	9.6	12.4	7.5	10.8	13.9	8.2	7.3	9.4	5.9
1971.....	9.8	12.6	7.5	10.7	13.7	8.3	7.6	10.1	5.9
1970.....	10.0	12.9	7.7	11.0	14.0	8.5	8.0	10.4	6.4
Percent decrease.....									
1970-1978.....	20.0	15.5	22.1	14.5	9.3	18.8	31.3	29.8	31.3
1970-1977.....	18.0	14.7	20.8	13.6	10.0	16.5	26.3	26.9	26.6

Table F.--AGE ADJUSTED DEATH RATES BY RACE AND SEX:
UNITED STATES, 1970-1978

Year	All Races			Black			White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1978.....	6.1*								
1977.....	6.1	8.1	4.5	8.1	10.5	6.2	5.9	7.8	4.3
1976.....	6.3	8.3	4.6	8.3	10.7	6.4	6.0	8.0	4.4
1975.....	6.4	8.5	4.7	8.5	11.0	6.5	6.1	8.1	4.5
1974.....	6.7	8.8	4.9	9.0	11.5	6.9	6.4	8.4	4.7
1973.....	6.9	9.1	5.1	9.5	12.1	7.4	6.6	8.7	4.8
1972.....	7.0	9.2	5.2	9.7	12.3	7.5	6.7	8.8	4.9
1971.....	7.0	9.2	5.2	9.6	12.1	7.5	6.7	8.8	4.9
1970.....	7.1	9.3	5.3	9.8	12.3	7.7	6.8	8.9	5.0
Percent decrease.....									
1970-1978....	14.1*								
1970-1977....	14.1	12.9	15.1	17.3	14.6	19.5	13.2	12.4	14.0

* Provisional, based on 10 percent sample not available by race or age.

Excess mortality.--How many of the District's deaths in 1978 were excess when compared with the national average? If the United States death rates for each five year age group are applied to the District populations in those age groups, the result is the number of deaths the District would have had if the U.S. and District death rates had been the same at every age. These are called the expected deaths. This has been done for all age groups from 1-4 years through 60-64. It has not been done for persons 65 years and over since their five year group estimates are not available for the District. The District's 1978 population figures were used in conjunction with the national rates for 1977.

At ages 1-4 years, the District's death rate was about the same as the U.S. rate, and at ages 5-9 the District had 22 deaths compared with an expected total of 17, an excess of 5. For the three age groups from 10 to 24 years, the District rates were lower than the national ones, resulting in 49 fewer deaths than expected (116 deaths instead of 165). For each age group from 25 through 64, however, the District rates were higher, with an excess of 800 deaths, or 2,598 instead of an expected 1,798.

As noted above, the District's excess mortality is chiefly among black males. If in 1978 black males aged 25-64 years had experienced the same age-specific death rates as U.S. males the result would have been 703 deaths, instead of the actual 1,408. The actual deaths were 100 percent higher than the expected deaths.

Nationally, the death rates at ages 25-64 years are higher for black males than for all males (10.2 deaths per 1,000 population compared with 6.9). If at these ages age-specific death rates were compared for District and national black males the District's excess would be reduced to 258. (It should be kept in mind that in this discussion black refers to black and all other nonwhite.) On the other hand, if the "standard" for comparison is the lowest attainable rate, mortality for black males in the District would be compared with that for white males nationally, and the District's excess would have been 759 rather than 703.

Cause of death.--Deaths from 70 selected causes are shown in Table 20 by race and sex. The 20 leading causes of death are based on this list. The numbers of deaths, crude death rates and age-adjusted death rates for the 20 leading causes are shown in Tables 14, 15, and 16.

The three leading causes, diseases of heart, malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer), and cerebrovascular diseases (strokes) do not change from year to year so far as rank order is concerned, but the long range trend is for death rates from heart disease and strokes to decrease while cancer mortality increases. Total mortality from these three causes combined, whether measured by crude or age-adjusted rates, declined. Changes in mortality from these three causes from 1970 to 1978 are shown below (rates are per 100,00 population):

	Crude Death Rates		Age-Adjusted Death Rates	
	1978	1970	1978	1970
Heart disease	320.4	381.1	228.3	307.4
Cancer	234.9	196.7	178.1	168.0
Stroke	78.4	87.6	55.9	70.9
Combined total	633.7	665.4	462.3	546.3

For these three causes combined, the crude death rate declined only 4.8 percent since 1970, but the drop in the combined age-adjusted death rate, 15.4 percent, was three times as great. During this period, total cancer deaths increased from 1,488 to 1,588. Blacks accounted for all the increase, with cancer deaths rising from 922 in 1970 to 1,098 in 1978 while deaths of whites dropped from 566 to 490. Age-adjusted death rates for cancer by race and sex in 1970 and 1978 were as follows:

	1978	1970
Black males	298.3	255.7
Black females	155.2	146.1
White males	145.0	157.9
White females	117.8	123.0

Two other causes of death have seen striking changes in trend since 1970. Cirrhosis of liver jumped from the sixth to the fourth leading cause in spite of an over-all decrease in the age-adjusted death rate. However, while the age-adjusted death rate for this condition dropped from 48.1 in 1970 to 41.5 in 1978 for the total population it rose from 69.0 to 75.6 for black males and dropped only slightly for black females, from 36.4 to 35.1. For whites, the rates declined after 1970 from 52.6 to 28.6 for males and from 28.1 to 10.8 for females.

Septicemia, which ranked thirteenth among leading causes in 1978, did not rank among the top twenty in 1970. It increased from 35 deaths and a crude death rate per 100,000 population of 4.6 in 1970 to 56 deaths and a rate of 8.3 in 1978. Since deaths from septicemia are generally regarded as preventable, this increase may have a significance greater than indicated by the rrelatively small numbers of deaths involved.

Age-adjusted death rates for 9 of the District's 10 leading causes of death, and suicide, our twelth cause, are shown in Table G for the District in 1978 and the United States in 1977. FinaL 1978 data are not yet available for the United States. If past experience is any guide, the 1978 United States rates will be the same as, or lower than, the 1977 ones.) It can be seen from this table that the District's excess mortality was manifest in all these major causes except acidents and suicide.

Suicide was added to Table G to permit a comparison of the relative roles of external causes among the leading causes of death. The age-adjusted death rate for accidents, homicide and suicide combined was 66.3 per 100,000 population for the United States in 1977 compared with a rate of 65.0 for the District in 1978. In other words, the District's excess mortality comes from diseases, the endogenous causes, and not from external injuries.

It should be noted that the number of persons dying <u>from</u> a given disease in any one year is not the same as the number of decedents <u>with</u> that particular disease. A death

Table C.-- AGE-ADJUSTED DEATH RATES FOR 10 LEADING CAUSES OF DEATH, DISTRICT OF COLUMBIA, 1978 AND COMPARABLE NATIONAL RATES, 1977 (Rates per 100,000 population)

Cause of Death	District of Columbia 1978	United States 1977
All Causes.....	801.3	612.3
Diseases of heart.....	228.3	210.4
Malignant neoplasms, etc.....	178.1	133.0
Cerebrovascular diseases.....	55.9	48.2
Cirrhosis of liver.....	41.5	13.1
Influenza and Pneumonia.....	26.2	14.2
Accidents.....	30.7	43.8
Arteriosclerosis.....	16.2	6.2
Homicide.....	24.9	9.6
Certain causes of mortality in early infancy[1].....	-	-
Diabetes mellitus.....	14.0	10.4
Suicide.....	9.4	12.9

[1] Since these deaths occur among infants, an age-adjusted rate is not appropriate.

Although the District does not code all conditions listed on death certificates, it does code a selected list of conditions when they are mentioned on death certificates as contributing or associated causes of death. Thus in addition to the 1,588 deaths coded as "due to" cancer there were an additional 136 deaths from other causes of persons with cancer.

Diabetes mellitus, with 129 deaths in which it was the underlying cause, ranked tenth in 1978. In addition, there were 287 deaths to which diabetes was a contributing or associated cause. There were 25 deaths attributed to hypertension, which ranked 19th, but it was mentioned on an additional 68 death certificates. It should also be noted that the rubric "diseases of heart" includes deaths from hypertensive heart disease and deaths from hypertensive heart and renal disease as well as a number of other specific heart conditions. In 1978 these numbered 28 deaths and 26 deaths, respectively.

The role of alcoholism as a cause of death is perhaps unmeasurable since this disease may be more difficult to define than many others. In addition, physicians may be reluctant to mention alcoholism when death can be clearly assigned to some other cause. In 1978 there were only 19 deaths attributed to alcoholism as the underlying cause of death. In addition, 120 of the 297 deaths from cirrhosis of liver were "with mention of alcohol." There were another 45 deaths in which alcoholism was entered as a contributing or associated cause. Thus at a minimum 184 deaths in 1978 were of alcoholics.

Emphysema was the underlying cause of 38 deaths in 1978, and was mentioned on another 54 death certificates. Tuberculosis, which ranked seventeenth, accounted for 33 deaths and was a contributing or associated cause in another 15 deaths.

It can be seen from these few examples that caution must be exercized in extrapolating the prevalence of various diseases from the frequency with which they appear as causes of death.

Deaths by ward.--Deaths from the 20 leading causes are shown by ward in Table 21. Since estimates of the wards' populations in 1978 are not available by age, race and sex analysis of these figures is very limited. In past years, Ward 8 has had the youngest population which would explain why it had the lowest frequencies for deaths from diseases of heart, cancer, cerebrovascular diseases, influenza and pneumonia, accidents, arteriosclerosis and diabetes mellitus.

Even if detailed population figures were available, the numbers involved are too small for age-specific rates to be meaningful. When the 1980 census figures are available it may be possible to make a retroactive estimate of the 1979 ward populations by age, race and sex to compute age-and cause-specific rates based on the averaged deaths for 1978-1980.

INFANT MORTALITY

In 1978 there were 242 infant deaths of District of Columbia residents and 9,372 live births, resulting in an infant mortality rate of 25.8 per 1,000 live births. This represented a decrease of 5.5 percent from the rate of 27.3 in 1977, but the change was not statistically significant.

When classified by race, the rates were 28.6 for blacks and 9.5 for whites in 1978, compared with 29.5 and 13.9 respectively, in 1977. It should be noted that because of the very small numbers of births and deaths involved, the rate for whites fluctuates unpredictably from year to year, having been 7.5 in 1976 and 19.5 in 1975, but there was a downward trend over the five year period 1974-1978. The rate for blacks, on the other hand, has been extremely stable since 1970, showing no real change. Infant mortality rates by race are shown in three-year moving averages in Table H.

Age at death.--In the first month after birth, most deaths result from conditions arising during either pregnancy or delivery. This is called the neonatal period (less than 28 days of age). Later deaths, in the post-neonatal period, often result from conditions initiated in infancy. Of the 242 total infant deaths, 179 were neonatal and 63 were postneonatal. The trends in infant deaths and rates by age at death are shown in Table 23 for the 20 year period 1959-1978.

It can be seen that the slight decrease in the neonatal death rate between 1977 and 1978 was accounted for entirely by deaths at 7-27 days, while there was virtually no change in the post-neonatal death rate.

Table H.--INFANT MORTALITY RATES BY RACE: DISTRICT OF COLUMBIA, 1970-72 TO 1976-78
(Rates represent resident infant deaths per 1,000 resident live births, and are shown as three-year moving averages)

Three year period	Race		
	Total	Black	White
1976-78.....	26.0	28.6	10.3
1975-77.....	27.0	29.1	13.5
1974-76.....	27.1	27.9	14.5
1973-75.....	27.2	28.3	19.5
1972-74.....	26.8	27.8	19.6
1971-73.....	27.1	28.4	18.8
1970-72.....	28.2	29.5	19.5

Excess mortality.--In 1978 the estimated United States rates for total, neonatal and postneonatal infant deaths were 13.6, 9.4 and 4.2 per 1,000 live births, respectively. If these rates had obtained in the District there would have been 127 infant deaths, 88 neonatal and 39 postneonatal. This would mean that 115 of the District's 242 infant deaths in 1978 were excess deaths when compared with the national rate: 91 excess neonatal and 24 excess postneonatal deaths. The excess of infant deaths largely reflects the District's excess of low birth weight babies. National figures for 1978 are not yet available, but if the 1977 incidence of low birth weight of 7.1 percent is applied to the District's 1978 births the result is 665 births of 2,500 grams or less instead of the actual 1,239. This excess of 574 low birth weight babies was 46.3 percent of total immatures and the District's excess of 115 infant deaths was 47.5 percent of all infant deaths.

Cause of death.--Infant deaths in 1978 are shown by cause and age in Table 25 and the 10 leading causes of infant death are shown in Table I. For most of the causes the numbers are too small for fruitful analysis of trends. However, trend data for 1975-1978 are shown in Table J for six causes (four of them under the rubric Certain causes of mortality in early infancy) which showed the greatest changes from 1977 to 1978. The greatest changes were the increase in deaths from diarrheal diseases, from 5 to 12, and the drop in deaths from birth injury without mention of cause, from 14 to 1.

Infant mortality by ward.--Infant death rates for 1978 are shown by age at death by ward in Table K. Here again, because of the small numbers involved, year-to-year changes are difficult to interpret, except that the rate is consistently low for Ward 3 and high for Ward 6.

Table I.--INFANT DEATHS BY CAUSE FROM TEN LEADING CAUSES: DISTRICT OF COLUMBIA, 1978

Cause of death	Infant deaths
All causes	242
Immaturity, unqualified	58
Congenital anomalies	24
Asphyxia of newborn, unspecified and all other anoxic and hypoxic conditions not elsewhere classifiable	24
Respiratory distress syndrome	22
Complications of pregnancy and child birth	18
Sudden infant death	18
Hyaline membrane disease	15
Diarrheal diseases	12
Accidents	7
Influenza and pneumonia	5
Hemorrhagic disease of newborn	5
Ten cause subtotal	
Number	208
Percent of total deaths	86.0
All other cuases	34

Table J.--MAJOR CHANGES IN CAUSES OF INFANT DEATHS: DISTRICT OF COLUMBIA, 1975-1978

Cause of death	1978	1977	1976	1975
All causes.....	242	270	240	279
Diarrheal diseases.....	12	5	2	4
Congenital anomalies.....	24	31	21	34
Certain causes of death in early infancy.....	157	183	150	181
Complications of pregnancy and child birth.....	18	13	14	20
Birth injury without mention of cause.....	1	14	12	9
Respiratory distress syndrome.....	22	27	24	16
Asphyxia of newborn, unspecified.....	21	30	20	18

Table K.--INFANT DEATH RATES BY WARD AND AGE AT DEATH: DISTRICT OF COLUMBIA, 1978

Ward	Total	Age at Death						
		Neonatal				Post neonatal		
		Total	Under 1 day	1-6 days	7-27 days	Total	28 days - 5 mos.	6-11 months
Total.....	25.8	19.1	11.8	5.7	1.6	6.7	5.8	1.0
1.....	29.7	18.8	10.9	5.5	2.3	10.9	10.2	0.8
2.....	21.5	18.4	11.3	6.1	1.0	3.1	3.1	0
3.....	11.1	11.1	6.4	4.8	0	0	0	0
4.....	18.6	14.4	11.3	3.1	0	4.1	3.1	1.0
5.....	29.4	22.5	16.4	4.3	1.7	6.9	6.9	0
6.....	32.8	20.9	10.9	9.1	0.9	11.8	9.1	2.7
7.....	26.0	18.3	9.1	5.6	3.5	7.7	6.3	1.4
8.....	27.6	22.1	14.9	5.5	1.7	5.5	4.4	1.1

Infant deaths and rates per 1,000 live births by ward were as follows in 1977 and 1978:

Ward	Infant deaths			
	1978		1977	
	Number	Rate	Number	Rate
1.....	38	29.7	34	25.4
2.....	21	21.5	30	29.0
3.....	7	11.1	7	11.0
4.....	18	18.6	27	26.9
5.....	34	29.4	32	28.0
6.....	36	32.8	43	35.4
7.....	37	26.0	44	27.5
8.....	50	27.6	50	27.1

PERINATAL AND FETAL MORTALITY-Fetal death is the death of a fetus of at least 20 completed weeks of gestation, prior to delivery of a live infant, and is as much an undesirable outcome of pregnancy as infant death. In some years decreases in infant mortality have been offset by increases in fetal mortality and vice versa. For this reason the best measure of the risk of unsatisfactory outcome is the perinatal mortality rate - fetal plus neonatal deaths per 1,000 deliveries (fetal deaths plus live births).

The District's fetal death rate in 1978 was 14.4 per 1,000 deliveries, down from 15.9 in 1977, and the perinatal rate was 33.2, down from 35.7 in 1977. Perinatal and fetal mortality in 1978 are shown by ward in Table L.

Table L.--PERINATAL AND FETAL MORTALITY BY WARD: DISTRICT OF COLUMBIA, 1978
(Rates per 1,000 deliveries)

Ward	Perinatal deaths*		Fetal deaths	
	Number	Rate	Number	Rate
Total.....	316	33.2	137	14.4
1.....	48	36.8	24	18.4
2.....	28	28.4	10	10.1
3.....	14	22.0	7	11.0
4.....	26	26.5	12	12.2
5.....	37	31.7	11	9.4
6.....	39	35.0	16	14.3
7.....	52	35.9	26	17.9
8.....	69	37.5	29	15.8

* Fetal deaths plus neonatal deaths.

MATERNAL MORTALITY

There were no maternal deaths of District residents in 1978. It can be seen in Table A that from 1971 to 1977 the numbers of maternal deaths ranged from 2 to 4 and thus a zero incidence in one year does not constitute a statistically significant change. The effect of random fluctuations of these very small numbers can be reduced by computing three-year moving average rates, which are shown in Table M for the years 1970-1972 to 1976-1978. It can be seen that there has been a real change in the risk of maternal mortality since 1970-1972 but that the low rate of 1.7 deaths per 10,000 live births in 1976-1978 is not sufficiently lower than the rate of 2.2 in 1971-1973 to justify a conclusion that a new low level has been achieved. The only significant change was that shown in Table A from 1970 to 1971 and all subsequent years.

Since 1965 maternal deaths have been classified as to whether or not the mother had received prenatal care in one of the District's public Maternal and Infant Care clinics. In all this time not one mother who has received such care has died from maternal causes.

Table M.--MATERNAL MORTALITY: DISTRICT OF COLUMBIA, 1970-1972 TO 1976-1978

Years	Live Births	Maternal Deaths	
		Number	Rate Per 10,000 Births
1976-1978.....	28,892	5	1.7
1975-1977.....	29,266	9	3.1
1974-1976.....	29,418	10	3.4
1973-1975.....	30,620	10	3.3
1972-1974.....	32,760	8	2.4
1971-1973.....	36,637	8	2.2
1970-1972.....	40,760	17	4.2

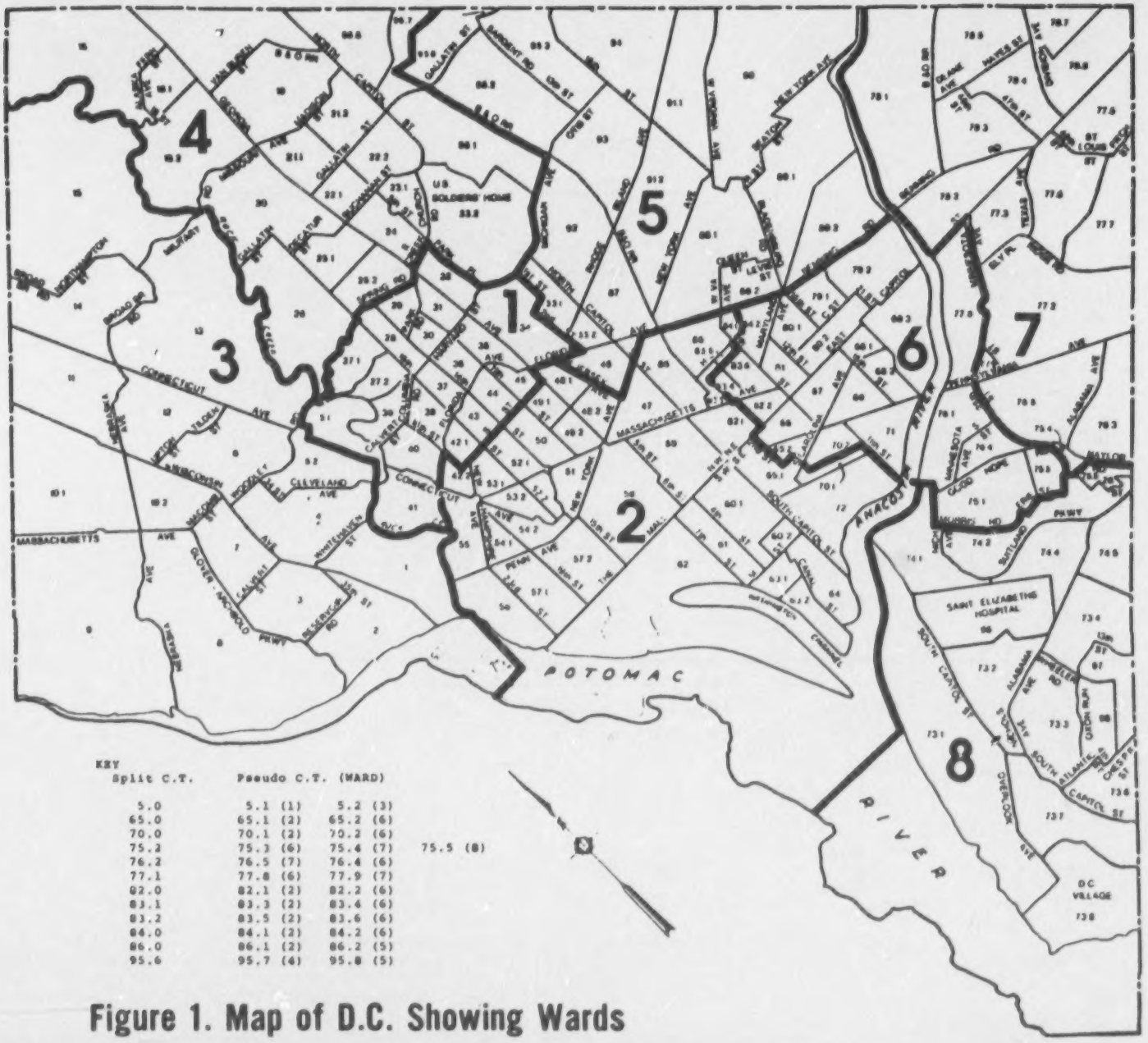


Figure 1. Map of D.C. Showing Wards

Figure 2. Live Births and Deaths: District of Columbia Residents, 1968 - 1978

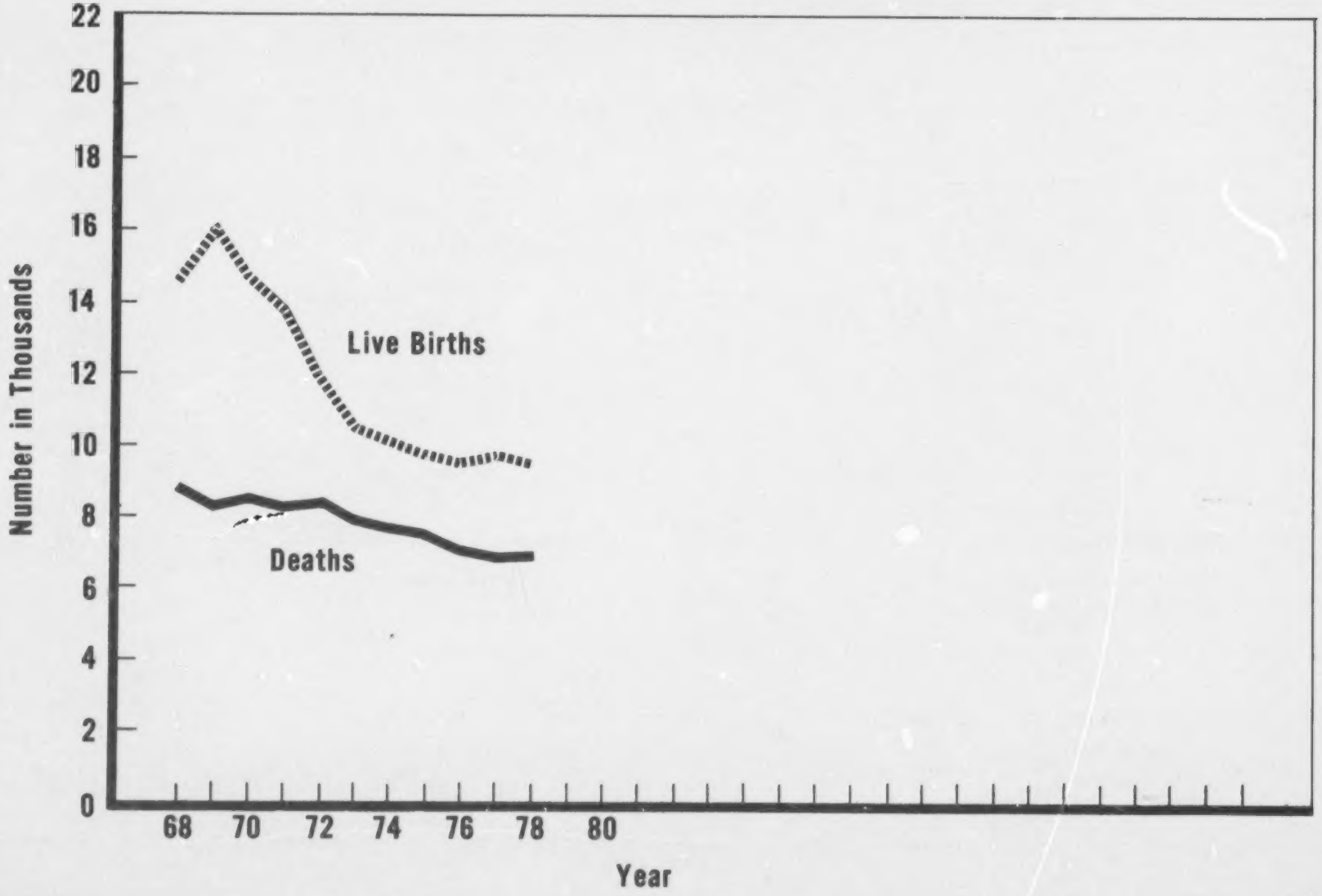


Figure 3. Leading Causes of Death: District of Columbia, 1950, 1960, 1970 and 1978

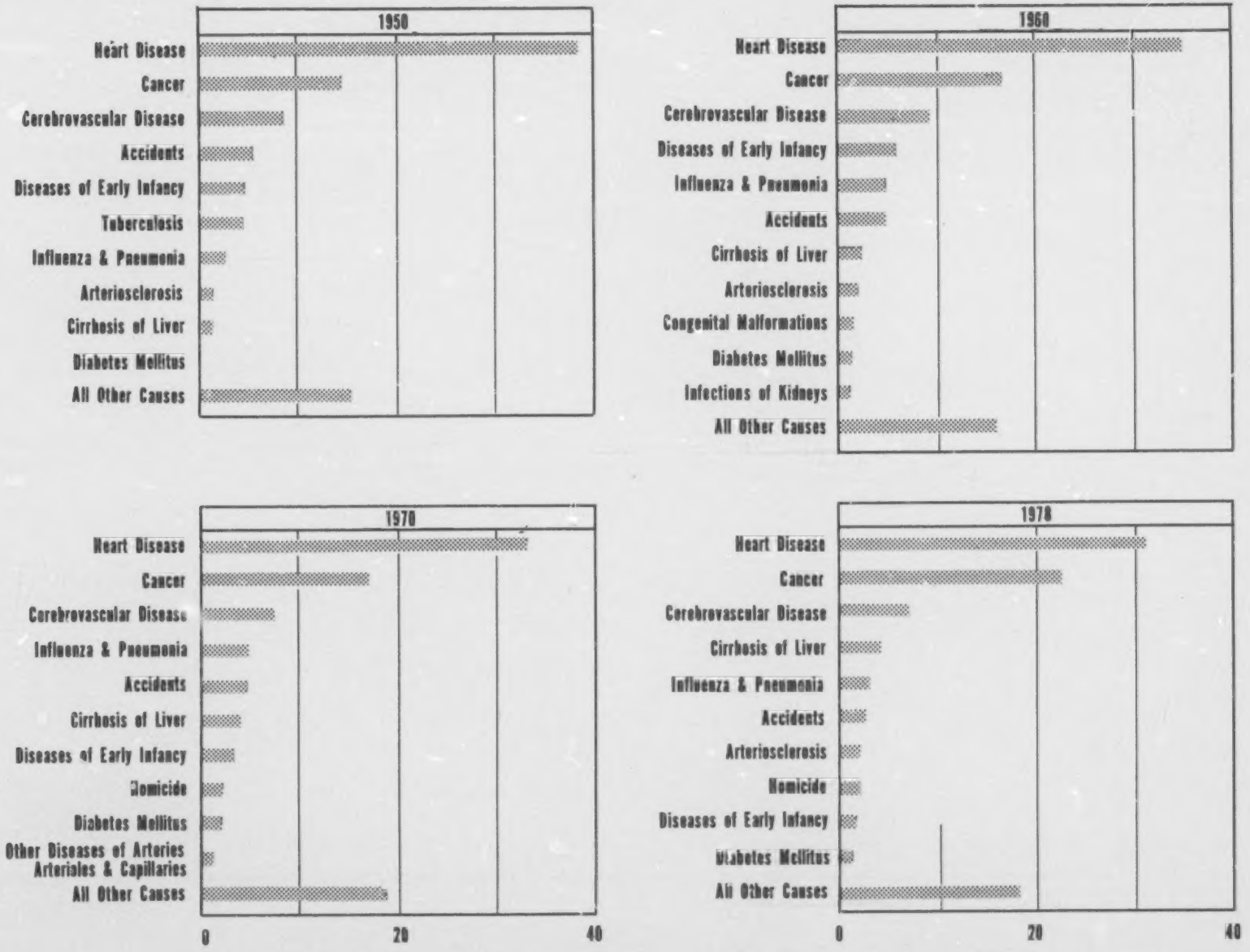
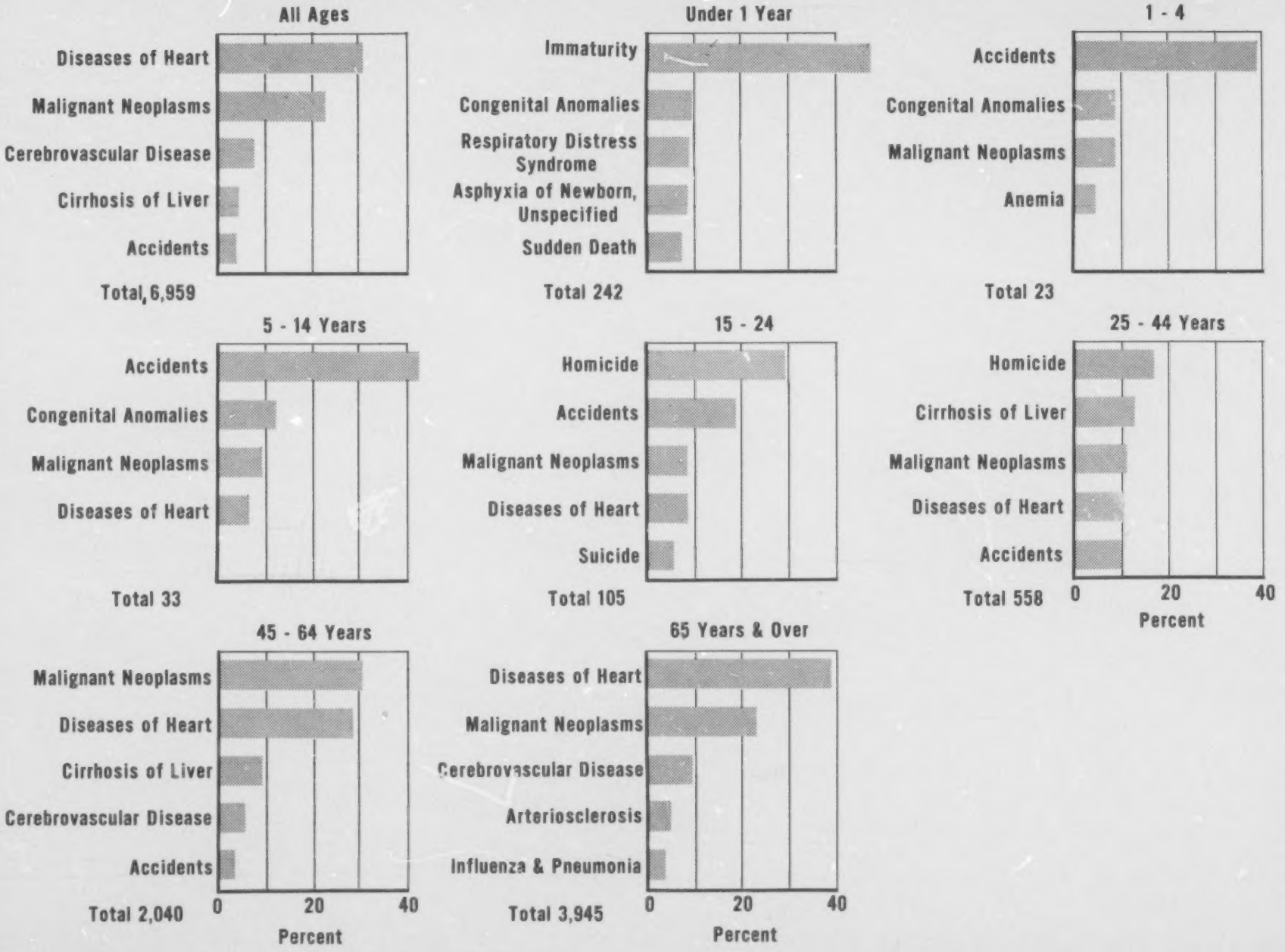


Figure 4. Leading Causes of Death in Selected Age Groups: District of Columbia, 1977-1978



Tables

Table 1.—ESTIMATED POPULATION BY AGE, RACE, AND SEX: DISTRICT OF COLUMBIA, 1978

Age (in years)	Total			Black			White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total.....	676,100	302,900	373,200	502,300	226,200	276,100	173,800	76,700	97,100
Under 5.....	42,300	21,200	21,100	38,400	19,400	19,000	3,900	1,800	2,100
5-9.....	48,700	23,700	25,000	43,600	21,200	22,400	5,100	2,500	2,600
10-14.....	47,800	24,500	23,300	42,800	22,000	20,800	5,000	2,500	2,500
15-19.....	59,700	27,900	31,800	52,200	24,200	28,000	7,500	3,700	3,800
20-24.....	64,800	27,600	37,200	56,400	23,400	33,000	8,400	4,200	4,200
25-29.....	63,200	28,300	34,900	43,700	19,200	24,500	19,500	9,100	10,400
30-34.....	56,100	25,000	31,100	37,300	16,300	21,000	18,800	8,700	10,100
35-39.....	43,500	20,100	23,400	28,500	12,400	16,100	15,000	7,700	7,300
40-44.....	36,200	16,600	19,600	26,600	11,600	15,000	9,600	5,000	4,600
45-49.....	36,200	16,700	19,500	26,900	12,100	14,800	9,300	4,600	4,700
50-54.....	36,000	15,800	20,200	25,800	11,200	14,600	10,200	4,600	5,600
55-59.....	35,700	15,300	20,400	23,800	10,200	13,600	11,900	5,100	6,800
60-64.....	32,800	14,000	18,800	20,100	8,800	11,300	12,700	5,200	7,500
65 and over..	73,100	26,200	46,900	36,200	14,200	22,000	36,900	12,000	24,900

Table 2.—NUMBER OF TOTAL RESIDENT LIVE BIRTHS AND DEATHS, NUMBER AND RATES OF INFANT, NEONATAL AND FETAL DEATHS: DISTRICT OF COLUMBIA, 1970–1978 AND AVERAGES, 1945–1974

Year	Live births	Deaths	Number			Rates[2]		
			Infant deaths	Neonatal deaths	Fetal deaths[1]	Infant deaths	Neonatal deaths	Fetal deaths
1978	9,372	6,959	242	179	137	25.8	19.1	14.6
1977	9,885	7,064	270	203	160	27.3	20.5	16.2
1976	9,635	7,238	240	193	169	24.9	20.0	17.5
1975	9,746	7,446	279	220	149	28.6	22.6	15.3
1974	10,037	7,815	277	216	140	27.6	21.5	13.9
1973	10,837	8,017	276	208	141	25.5	19.2	13.0
1972	11,886	8,313	323	235	250	27.2	19.8	21.0
1971	13,914	8,405	396	294	286	28.5	21.1	20.6
1970	14,960	8,690	432	339	258	28.9	22.7	17.2
AVERAGE ANNUAL								
1970–1974	12,327	8,248	341	258	215	27.7	20.9	17.4
1965–1969	15,796	8,873	511	387	314	32.3	24.5	19.9
1960–1964	19,768	8,881	684	513	370	34.6	26.0	18.7
1955–1959	19,739	8,559	678	520	355	34.3	26.3	18.0
1950–1954	20,514	8,392	628	499	398	30.6	24.3	19.4
1945–1949	19,411	8,324	669	516	441	34.5	26.6	22.7

[1] Includes only fetal deaths for which period of gestation was given as 20 weeks or more or was not stated.

[2] Per 1,000 live births.

Table 3.—NUMBER OF BLACK RESIDENT LIVE BIRTHS AND DEATHS, NUMBER AND RATES OF INFANT, NEONATAL AND FETAL DEATHS: DISTRICT OF COLUMBIA, 1970–1978 AND AVERAGES 1945–1974

Year	Live births	Deaths	Number			Rates[2]		
			Infant deaths	Neonatal deaths	Fetal[1] deaths	Infant deaths	Neonatal deaths	Fetal deaths
1978	8,004	4,776	229	168	125	28.6	21.0	15.6
1977	8,515	4,828	251	189	152	29.5	22.2	17.9
1976	8,293	4,940	230	188	154	27.7	22.7	18.6
1975	8,462	5,018	254	198	138	30.0	23.4	16.3
1974	8,737	5,200	255	196	127	29.2	22.4	14.5
1973	9,413	5,172	245	185	127	26.0	19.7	13.5
1972	10,518	5,419	296	213	216	28.1	20.3	20.5
1971	12,131	5,429	368	273	240	30.3	22.5	19.8
1970	13,091	5,360	389	303	228	29.7	23.1	17.4
AVERAGE ANNUAL								
1970–1974	10,778	5,316	311	234	188	28.9	21.7	17.4
1965–1969	13,148	5,183	451	339	276	34.3	25.8	21.0
1960–1964	14,225	4,463	542	402	295	38.1	28.3	20.7
1955–1959	12,581	3,733	498	374	258	39.6	29.7	20.5
1950–1954	9,814	3,231	337	255	237	34.3	26.0	24.1
1945–1949	7,105	3,029	302	221	230	42.5	31.1	32.4

[1]Includes only fetal deaths for which period of gestation was given as 20 weeks or more or was not stated.

[2]Per 1,000 live births.

Table 4.--NUMBER OF WHITE RESIDENT LIVE BIRTHS AND DEATHS, NUMBER AND RATES OF INFANT, NEONATAL AND FETAL DEATHS: DISTRICT OF COLUMBIA, 1970-1978 AND AVERAGES 1945-1974

Year	Live births	Deaths	Number			Rates[2]		
			Infant deaths	Neonatal deaths	Fetal deaths[1]	Infant deaths	Neonatal deaths	Fetal deaths
1978----------	1,368	2,183	13	11	12	9.5	8.0	8.8
1977----------	1,370	2,236	19	14	8	13.9	10.2	5.8
1976----------	1,342	2,298	10	5	15	7.5	3.7	11.2
1975----------	1,284	2,428	25	22	11	19.5	17.1	8.6
1974----------	1,300	2,615	22	20	13	16.9	15.4	10.0
1973----------	1,424	2,845	31	23	14	21.8	16.2	9.8
1972----------	1,368	2,894	27	22	34	19.7	16.1	24.9
1971----------	1,783	2,976	28	21	46	15.7	11.8	25.8
1970----------	1,869	3,330	43	36	30	23.0	19.3	16.1
AVERAGE ANNUAL								
1970-1974-----	1,549	2,932	30	24	27	19.4	15.5	17.4
1965-1969-----	2,648	3,690	60	48	38	22.7	18.1	14.4
1960-1964-----	5,543	4,418	142	111	75	25.3	20.0	13.5
1955-1959-----	7,158	4,826	180	146	97	25.1	20.4	13.6
1950-1954-----	10,700	5,161	291	244	161	27.2	22.8	15.0
1945-1949-----	12,306	5,295	267	295	212	29.8	24.0	17.2

[1] Includes only fetal deaths for which period of gestation was given as 20 weeks or more or was not stated.

[2] Per 1,000 live births.

Table 5.--OUT-OF-WEDLOCK RATIOS BY AGE OF MOTHER AND RACE: DISTRICT OF COLUMBIA, 1973-1978

Year and race	Total[1]	Age of Mother (in years)						
		Under 15	15-19	20-24	25-29	30-34	35-39	40 and over
Total								
1978	553.4	1000.0	914.3	632.6	386.3	232.3	214.5	247.1
1977	530.4	977.0	900.3	604.9	333.1	216.0	209.0	252.9
1976	525.7	977.8	901.1	585.0	320.5	174.1	209.2	174.4
1975	511.8	991.4	861.9	539.7	282.8	195.1	196.3	259.3
1974	497.6	1000.0	855.0	502.3	261.7	182.5	212.8	218.8
1973	467.0	986.1	823.5	446.7	228.2	211.1	216.3	206.5
Black								
1978	626.7	1000.0	928.1	664.9	444.4	334.8	310.5	272.7
1977	595.9	976.7	913.9	638.3	380.9	300.3	256.0	312.5
1976	589.2	977.0	911.3	614.9	374.7	237.9	278.6	215.4
1975	569.8	991.0	877.3	564.2	332.6	273.7	252.7	311.5
1974	549.5	1000.0	864.4	521.9	314.0	242.4	256.8	280.0
1973	515.9	985.3	834.1	466.2	268.8	275.2	270.5	228.6
White								
1978	124.3	1000.0	528.6	235.8	101.0	39.5	71.9	157.9
1977	123.4	1000.0	453.1	211.2	99.3	57.7	101.6	87.0
1976	133.4	1000.0	651.7	202.6	89.6	52.4	61.1	47.6
1975	129.3	1000.0	518.5	233.1	63.5	39.2	47.6	100.0
1974	148.5	1000.0	652.9	245.7	56.8	54.0	74.5	0
1973	144.0	1000.0	572.6	207.4	75.1	73.1	39.6	136.4

[1] Includes age of mother not stated which is not shown separately.

Note: Ratios per 1,000 live births in specified groups.

Table 6.--NUMBER AND PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS BY LIVE-BIRTH ORDER AND RACE: DISTRICT OF COLUMBIA, 1975-1978 AND AVERAGES 1960-1974

Live birth order and race	Number							Percent						
					Annual average							Annual average		
	1978	1977	1976	1975	1970-1974	1965-1969	1960-1964	1978	1977	1976	1975	1970-1974	1965-1969	1960-1964
Total.....	9,372	9,885	9,635	9,746	12,326	15,796	19,768	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First child.....	4,372	4,633	4,587	4,739	5,824	6,444	6,341	46.6	46.9	47.6	48.6	47.2	40.8	32.1
Second child.....	2,626	2,741	2,632	2,723	3,244	3,785	4,542	28.0	27.7	27.3	27.9	26.3	24.0	23.0
Third child.....	1,284	1,348	1,237	1,190	1,543	2,116	3,108	13.7	13.6	12.8	12.2	12.5	13.4	15.7
Fourth child.....	559	603	594	535	781	1,291	2,111	6.0	6.1	6.2	5.5	6.3	8.2	10.7
Fifth child.....	275	293	268	270	410	819	1,379	2.9	3.0	2.8	2.8	3.3	5.2	7.0
Sixth child.....	127	117	154	132	224	540	894	1.4	1.2	1.6	1.4	1.8	3.4	4.5
Seventh child....	73	79	82	80	127	332	563	0.8	0.8	0.9	0.8	1.0	2.1	2.8
Eighth child and over.....	46	55	68	77	173	469	817	0.5	0.6	0.7	0.8	1.4	3.0	4.1
Not stated.....	10	16	13	-	-	-	13	0.1	0.2	0.1	0	0	0	0.1
Black.....	8,004	8,515	8,293	8,462	10,778	13,148	14,225	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First child.....	3,631	3,886	3,843	4,007	4,967	5,081	3,852	45.4	45.6	46.3	47.4	46.1	38.6	27.1
Second child.....	2,228	2,358	2,250	2,337	2,806	3,108	3,093	27.8	27.7	27.1	27.6	26.0	23.6	21.7
Third child.....	1,141	1,194	1,102	1,083	1,393	1,806	2,338	14.3	14.0	13.3	12.8	12.9	13.7	16.4
Fourth child.....	510	551	552	498	727	1,146	1,709	6.4	6.5	6.7	5.9	6.7	8.7	12.0
Fifth child.....	251	276	245	260	384	754	1,174	3.1	3.2	3.0	3.1	3.6	5.7	8.3
Sixth child.....	120	107	144	125	212	499	788	1.5	1.3	1.7	1.5	2.0	3.8	5.5
Seventh child....	70	76	79	78	123	311	509	0.9	0.9	1.0	0.9	1.1	2.4	3.6
Eighth child and over.....	43	51	66	74	166	443	751	0.5	0.6	0.8	0.9	1.5	3.4	5.3
Not stated.....	10	16	12	-	-	-	11	0.1	0.2	0.1	0	0	0	0.1
White.....	1,368	1,370	1,342	1,284	1,548	2,648	5,543	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First child.....	741	747	744	732	857	1,363	2,489	54.2	54.5	55.4	57.0	55.4	51.5	44.9
Second child.....	398	383	382	386	438	677	1,449	29.1	28.0	28.5	30.1	28.3	25.6	26.1
Third child.....	143	154	135	107	150	310	770	10.5	11.2	10.1	8.3	9.7	11.7	13.9
Fourth child.....	49	52	42	37	54	145	402	3.6	3.8	3.1	2.9	3.5	5.5	7.3
Fifth child.....	24	17	23	10	26	65	205	1.8	1.2	1.7	0.8	1.7	2.5	3.7
Sixth child.....	7	10	10	7	12	41	106	0.5	0.7	0.7	0.5	0.8	1.5	1.9
Seventh child....	3	3	3	2	4	21	54	0.2	0.2	0.2	0.2	0.3	0.8	1.0
Eighth child and over.....	3	4	2	3	7	26	66	0.2	0.3	0.1	0.2	0.5	1.0	1.2
Not stated.....	-	-	1	-	-	-	2	-	0	0.1	0	0	0	0.0

Table 7.—LIVE BIRTHS BY LIVE BIRTH ORDER, AGE OF MOTHER AND PLURALITY, ALL RACES: DISTRICT OF COLUMBIA, 1978

Age of mother	Total	Live birth order										
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10 & over	Not stated
Total	9,372	4,372	2,626	1,284	559	275	127	73	25	15	6	10
Less than 15 years	69	66	3	–	–	–	–	–	–	–	–	–
11	1	1	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–
13	16	16	–	–	–	–	–	–	–	–	–	–
14	52	49	3	–	–	–	–	–	–	–	–	–
15–19	2,018	1,559	386	60	13	–	–	–	–	–	–	–
15	157	145	12	–	–	–	–	–	–	–	–	–
16	322	280	40	2	–	–	–	–	–	–	–	–
17	420	340	71	9	–	–	–	–	–	–	–	–
18	509	376	114	15	4	–	–	–	–	–	–	–
19	610	418	149	34	9	–	–	–	–	–	–	–
20–24 years	3,043	1,387	1,006	447	146	42	11	3	1	–	–	–
25–29 years	2,340	806	710	440	224	103	35	17	2	1	–	2
30–34 years	1,386	438	403	249	126	81	46	26	10	4	2	1
35–39 years	415	99	98	74	39	39	23	22	7	6	3	5
40–44 years	81	14	13	9	10	8	11	5	4	4	1	2
45 and over	4	–	–	1	–	2	–	–	1	–	–	–
Not stated	16	3	7	4	1	–	1	–	–	–	–	–

Table 7.--LIVE BIRTHS BY LIVE BIRTH ORDER, AGE OF MOTHER AND PLURALITY, ALL RACES: DISTRICT OF COLUMBIA, 1978--CONTINUED

Age of mother	Total	Live birth order										
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10 & over	Not stated
Single births	9,185	4,327	2,561	1,255	533	260	124	71	24	14	6	10
Less than 15 years	67	65	2	-	-	-	-	-	-	-	-	-
11	1	1	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	16	16	-	-	-	-	-	-	-	-	-	-
14	50	48	2	-	-	-	-	-	-	-	-	-
15-19 years	1,992	1,549	376	56	11	-	-	-	-	-	-	-
15	157	145	12	-	-	-	-	-	-	-	-	-
16	322	280	40	2	-	-	-	-	-	-	-	-
17	410	335	66	9	-	-	-	-	-	-	-	-
18	504	373	114	14	3	-	-	-	-	-	-	-
19	599	416	144	31	8	-	-	-	-	-	-	-
20-24 years	2,979	1,372	980	436	138	39	10	3	1	-	-	-
25-29 years	2,283	791	690	434	216	96	34	17	2	1	-	2
30-34 years	1,361	435	398	244	120	77	46	25	9	4	2	1
35-39 years	404	99	96	71	37	38	22	21	7	5	3	5
40-44 years	79	13	12	9	10	8	11	5	4	4	1	2
45 and over	4	-	-	1	-	2	-	-	1	-	-	-
Not stated	16	3	7	4	1	-	1	-	-	-	-	-

Table 7.—LIVE BIRTHS BY LIVE BIRTH ORDER, AGE OF MOTHER AND PLURALITY, ALL RACES: DISTRICT OF COLUMBIA, 1978—CONTINUED

Age of mother	Total	Live birth order										
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10 & over	Not stated
Plural births	187	45	65	29	26	15	3	2	1	1	-	-
Less than 15 years	2	1	1	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	2	1	1	-	-	-	-	-	-	-	-	-
15-19 years	26	10	10	4	2	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	10	5	5	-	-	-	-	-	-	-	-	-
18	5	3	-	1	1	-	-	-	-	-	-	-
19	11	2	5	3	1	-	-	-	-	-	-	-
20-24 years	64	15	26	11	8	3	1	-	-	-	-	-
25-29 years	57	15	20	6	8	7	1	-	-	-	-	-
30-34 years	25	3	5	5	6	4	-	1	1	-	-	-
35-39 years	11	-	2	3	2	1	1	1	-	1	-	-
40-44 years	2	1	1	-	-	-	-	-	-	-	-	-
45 and over	-	-	-	-	-	-	-	-	-	-	-	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-

Table 8.--LIVE BIRTHS BY LIVE BIRTH ORDER, AND AGE OF MOTHER, BLACK RESIDENTS: DISTRICT OF COLUMBIA, 1978

Age of mother	Total	Live birth order										
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10 & over	Not stated
Total	8,004	3,631	2,228	1,141	510	251	120	70	22	15	6	10
Less than 15 years	65	62	3	-	-	-	-	-	-	-	-	-
11	1	1	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	16	16	-	-	-	-	-	-	-	-	-	-
14	48	45	3	-	-	-	-	-	-	-	-	-
15-19 years	1,948	1,499	377	59	13	-	-	-	-	-	-	-
15	150	139	11	-	-	-	-	-	-	-	-	-
16	309	268	39	2	-	-	-	-	-	-	-	-
17	409	331	69	9	-	-	-	-	-	-	-	-
18	496	366	111	15	4	-	-	-	-	-	-	-
19	584	395	147	33	9	-	-	-	-	-	-	-
20-24 years	2,814	1,246	943	428	141	41	11	3	1	-	-	-
25-29 years	1,944	572	609	406	207	95	34	17	1	1	-	2
30-34 years	905	201	237	195	110	77	44	25	9	4	2	1
35-39 years	248	39	44	45	28	32	19	21	6	6	3	5
40-44 years	62	9	9	4	10	4	11	4	4	4	1	2
45 and over	4	-	-	1	-	2	-	-	1	-	-	-
Not stated	14	3	6	3	1	-	1	-	-	-	-	-

Table 9.--LIVE BIRTHS BY LIVE BIRTH ORDER, AND AGE OF MOTHER, WHITE RESIDENTS: DISTRICT OF COLUMBIA, 1978

Age of mother	Total	Live birth order										
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10 & over	Not stated
Total	1,368	741	398	143	49	24	7	3	3	-	-	-
Less than 15 years	4	4	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	4	4	-	-	-	-	-	-	-	-	-	-
15-19 years	70	60	9	1	-	-	-	-	-	-	-	-
15	7	6	1	-	-	-	-	-	-	-	-	-
16	13	12	1	-	-	-	-	-	-	-	-	-
17	11	9	2	-	-	-	-	-	-	-	-	-
18	13	10	3	-	-	-	-	-	-	-	-	-
19	26	23	2	1	-	-	-	-	-	-	-	-
20-24 years	229	141	63	19	5	1	-	-	-	-	-	-
25-29 years	396	234	101	34	17	8	1	-	1	-	-	-
30-34 years	481	237	166	54	16	4	2	1	1	-	-	-
35-39 years	167	60	54	29	11	7	4	1	1	-	-	-
40-44 years	19	5	4	5	-	4	-	1	-	-	-	-
45 and over	-	-	-	-	-	-	-	-	-	-	-	-
Not stated	2	-	1	1	-	-	-	-	-	-	-	-

TABLE 10-- LIVE BIRTHS BY WARD AND AGE OF MOTHER, ALL RESIDENTS: DISTRICT OF COLUMBIA, 1978

WARD	TOTAL	AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	N.S.
TOTAL	9372	69	2018	3043	2340	1386	415	81	4	16
WARD 1----------	1280	10	237	418	337	198	65	14	1	0
WARD 2----------	977	8	228	311	246	126	46	9	0	3
WARD 3----------	629	8	45	58	151	276	83	8	0	0
WARD 4----------	970	4	155	306	284	163	46	11	1	0
WARD 5----------	1158	7	324	389	255	134	36	7	1	5
WARD 6----------	1099	8	269	385	261	139	27	8	0	2
WARD 7----------	1423	9	370	508	324	147	48	15	1	1
WARD 8----------	1812	15	387	659	475	201	62	8	0	5
NOT REPORTED------	24	0	3	9	7	2	2	1	0	0

TABLE 11 -- LIVE BIRTHS BY WARD AND AGE OF MOTHER, WHITE RESIDENTS: DISTRICT OF COLUMBIA, 1978

1978

WARD	TOTAL	AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	N.S.
TOTAL	1368	4	70	229	396	481	167	19	0	2
WARD 1	221	0	14	40	65	64	32	6	0	0
WARD 2	183	0	6	39	60	52	22	3	0	1
WARD 3	520	3	21	42	119	249	79	7	0	0
WARD 4	68	0	5	11	15	27	10	0	0	0
WARD 5	38	0	1	13	18	3	3	0	0	0
WARD 6	119	1	1	12	46	49	8	1	0	1
WARD 7	42	0	3	14	12	8	5	0	0	0
WARD 8	172	0	19	58	58	29	7	1	0	0
NOT REPORTED	5	0	0	0	3	0	1	1	0	0

TABLE 12 -- LIVE BIRTHS BY WARD AND AGE OF MOTHER BLACK RESIDENTS: DISTRICT OF COLUMBIA, 1978

WARD	TOTAL	AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	N.S.
TOTAL	8004	65	1948	2814	1944	905	248	62	4	14
WARD 1----------	1059	10	223	378	272	134	33	8	1	0
WARD 2----------	794	8	222	272	186	74	24	6	0	2
WARD 3----------	109	5	24	16	32	27	4	1	0	0
WARD 4----------	902	4	150	295	269	136	36	11	1	0
WARD 5----------	1120	7	323	376	237	131	33	7	1	5
WARD 6----------	980	7	268	373	215	90	19	7	0	1
WARD 7----------	1381	9	367	494	312	139	43	15	1	1
WARD 8----------	1640	15	368	601	417	172	55	7	0	5
NOT REPORTED------	19	0	3	9	4	2	1	0	0	0

Table 13.—NUMBER AND PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS, AND BIRTHS WITH SELECTED CHARACTERISTICS (OUT-OF-WEDLOCK, PREMATURE, IMMATURE AND WITH INADEQUATE PRENATAL CARE) BY RACE AND WARD: DISTRICT OF COLUMBIA, 1978

Race and selected characteristics	Total	Ward								
		1	2	3	4	5	6	7	8	Unknown
ALL RACES										
Total live births	9,372	1,280	977	629	970	1,158	1,099	1,423	1,812	24
Percent distribution	100.0	13.7	10.4	6.7	10.3	12.4	11.7	15.2	19.3	0.3
Out-of-wedlock births										
Number	5,186	680	561	90	469	741	667	897	1,070	11
Ratio per 1,000 live births	553.4	531.3	574.2	143.1	483.5	639.9	606.9	630.4	590.5	458.3
Premature births [1]										
Number	1,406	211	152	40	144	189	185	220	262	3
Percent of total births	15.0	16.5	15.6	6.4	14.8	16.3	16.8	15.5	14.5	12.5
Percent distribution	100.0	15.0	10.8	2.8	10.2	13.4	13.2	15.6	18.6	0.2
Immature births [2]										
Number	1,239	176	122	42	125	157	156	202	256	3
Percent of total births	13.2	13.8	12.5	6.7	12.9	13.6	14.2	14.2	14.1	12.5
Percent distribution	100.0	14.2	9.8	3.4	10.1	12.7	12.6	16.3	20.7	0.2
Inadequate prenatal care [3]										
Number	719	92	98	39	64	91	114	96	123	2
Percent of total births	7.7	7.2	10.0	6.2	6.6	7.9	10.4	6.7	6.8	8.3
Percent distribution	100.0	12.8	13.6	5.4	8.9	12.7	15.9	13.4	17.1	0.3

[1] Less than 37 weeks period of gestation.

[2] Birth weight of 2,500 grams or less.

[3] Prenatal care initiated in last trimester (28 weeks or more) or no prenatal care.

Table 13.—NUMBER AND PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS, AND BIRTHS WITH SELECTED CHARACTERISTICS (OUT-OF-WEDLOCK, PREMATURE, IMMATURE AND WITH INADEQUATE PRENATAL CARE) BY RACE AND WARD: DISTRICT OF COLUMBIA, 1978—CONTINUED

Race and selected characteristics	Total	Ward								
		1	2	3	4	5	6	7	8	Unknown
BLACK										
Total live births	8,004	1,059	794	109	902	1,120	980	1,381	1,640	19
Percent distribution	100.0	13.2	9.9	1.4	11.3	14.0	12.2	17.3	20.5	0.2
Out-of-wedlock births										
Number	5,016	635	537	48	454	734	658	886	1,054	10
Ratio per 1,000 live births	626.7	599.6	676.3	440.4	503.3	655.4	671.4	641.6	642.7	526.3
Premature births [1]										
Number	1,316	194	134	12	135	188	177	218	255	3
Percent of total births	16.4	18.3	16.9	11.0	15.0	16.8	18.1	15.8	15.5	15.8
Percent distribution	100.0	14.7	10.2	0.9	10.3	14.3	13.4	16.6	19.4	0.2
Immature births [2]										
Number	1,143	159	112	13	114	156	149	199	239	2
Percent of total births	14.3	15.0	14.1	11.9	12.6	13.9	15.2	14.4	14.6	10.5
Percent distribution	100.0	13.9	9.9	1.1	10.0	13.6	13.0	17.4	20.9	0.2
Inadequate prenatal care [3]										
Number	625	68	80	13	56	86	112	91	118	1
Percent of total births	7.8	6.4	10.1	11.9	6.2	7.7	11.4	6.6	7.2	5.3
Percent distribution	100.0	10.9	12.8	2.1	9.0	13.8	17.9	14.6	18.9	0.2

[1] Less than 37 weeks period of gestation.

[2] Birth weight of 2,500 grams or less

[3] Prenatal care initiated in last trimester (28 weeks or more) or no prenatal care.

Table 13.--NUMBER AND PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS, AND BIRTHS WITH SELECTED CHARACTERISTICS (OUT-OF-WEDLOCK, PREMATURE, IMMATURE AND WITH INADEQUATE PRENATAL CARE) BY RACE AND WARD: DISTRICT OF COLUMBIA, 1978

Race and selected characteristics	Total	Ward								
		1	2	3	4	5	6	7	8	Unknown
WHITE										
Total live births	1,368	221	183	520	68	38	119	42	172	5
Percent distribution	100.0	16.2	13.4	38.0	5.0	2.8	8.7	3.1	12.6	0.4
Out-of-wedlock births										
Number	170	45	24	42	15	7	9	11	16	1
Ratio per 1,000 live births	124.3	203.6	131.1	80.8	220.6	184.2	75.6	261.9	93.0	200.0
Premature births[1]										
Number	90	17	18	28	9	1	8	2	7	-
Percent of total births	6.6	7.7	9.8	5.4	13.2	2.6	6.7	4.8	4.1	-
Percent distribution	100.0	18.9	20.0	31.1	10.0	1.1	8.9	2.2	7.8	-
Immature births[2]										
Number	96	17	10	29	11	1	7	3	17	1
Percent of total births	7.0	7.7	5.5	5.6	16.2	2.6	5.9	7.1	9.9	20.0
Percent distribution	100.0	17.7	10.4	30.2	11.5	1.0	7.3	3.1	17.7	1.0
Inadequate prenatal care[3]										
Number	94	24	18	26	8	5	2	5	5	1
Percent of total births	6.9	10.9	9.8	5.0	11.8	13.2	1.7	11.9	2.9	20.0
Percent distribution	100.0	25.5	19.1	27.7	8.5	5.3	2.1	5.3	5.3	1.1

[1]Less than 37 weeks period of gestation.

[2]Birth weight of 2,500 grams or less.

[3]Prenatal care initiated in last trimester (28 weeks or more) or no prenatal care.

TABLE 14. RESIDENT DEATHS FROM 20 LEADING CAUSES BY RACE AND SEX: DISTRICT OF COLUMBIA, 1978

	TOTAL	TOTAL MALE	FEMALE	RACE					
				BLACK			WHITE		
				TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	6,959	3,739	3,220	4,776	2,713	2,063	2,183	1,026	1,157
CAUSE OF DEATH									
DISEASES OF HEART	2,166	1,128	1,038	1,367	736	631	799	392	407
MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	1,588	845	743	1,098	636	462	490	209	281
CEREBROVASCULAR DISEASES	530	226	304	317	149	168	213	77	136
CIRRHOSIS OF LIVER	297	188	109	249	155	94	48	33	15
INFLUENZA AND PNEUMONIA	234	133	101	159	98	61	75	35	40
ACCIDENTS	226	162	64	177	135	42	49	27	22
ARTERIOSCLEROSIS	174	77	97	83	42	41	91	35	56
HOMICIDE	173	141	32	160	133	27	13	8	5
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	153	77	76	145	74	71	8	3	5
DIABETES MELLITUS	129	48	81	102	38	64	27	10	17
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	73	39	34	46	19	27	27	20	7
SUICIDE	67	50	17	37	31	6	30	19	11
SEPTICEMIA	56	31	25	42	23	19	14	8	6
BRONCHITIS, EMPHYSEMA AND ASTHMA	52	32	20	31	18	13	21	14	7
CONGENITAL ANOMALIES	39	21	18	35	19	16	4	2	2
CHRONIC AND UNQUALIFIED NEPHRITIS AND RENAL SCLEROSIS	37	18	19	36	17	19	1	1	-
TUBERCULOSIS, ALL FORMS	33	26	7	29	23	6	4	3	1
HERNIA AND INTESTINAL OBSTRUCTION	33	12	21	20	6	14	13	6	7
HYPERTENSION	25	14	11	18	9	9	7	5	2
BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE	23	11	12	13	8	7	8	3	5
RESIDUAL	851	460	391	610	344	268	241	116	125

Table 15.--RESIDENT CRUDE DEATH RATES FROM 20 LEADING CAUSES, BY RACE AND SEX: DISTRICT OF COLUMBIA, 1978

Rank for total deaths	ICDA Code 8th Revision	Cause of death	Rates per 100,000 population								
			Total			Black			White		
			Total	Male	Female	Total	Male	Female	Total	Male	Female
		All Causes	1,029.3	1,234.4	862.8	950.8	1,199.4	747.2	1,256.0	1,337.7	1,191.6
1	390-398,402,404,410-429	Diseases of heart	320.4	372.4	278.1	272.1	325.4	228.5	459.7	511.1	419.2
2	140-209	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.	234.9	279.0	199.1	218.6	281.2	167.3	281.9	272.5	289.4
3	430-438	Cerebrovascular diseases	78.4	74.6	81.5	63.1	65.9	60.8	122.6	100.4	140.1
4	571	Cirrhosis of liver	43.9	62.1	29.2	49.6	68.5	34.0	27.6	43.0	15.4
5	470-474,480-486	Influenza and pneumonia	34.6	43.9	27.1	31.7	43.3	22.1	43.2	45.6	41.2
6	E800-E949	Accidents	33.4	53.5	17.1	35.2	59.7	15.2	28.2	35.2	22.7
7	440	Arteriosclerosis	25.7	25.4	26.0	16.5	18.6	14.8	52.4	45.6	57.7
8	E960-E978	Homicide	25.6	46.6	8.6	31.9	58.8	9.8	7.5	10.4	5.1
9	760-769,2,769.4-772, 774-778	Certain causes of mortality in early infancy	22.6	25.4	20.4	28.9	32.7	25.7	4.6	3.9	5.1
10	250	Diabetes mellitus	19.1	15.8	21.7	20.3	16.8	23.2	15.5	13.0	17.5
11	441-448	Other diseases of arteries, arterioles and capillaries	10.8	12.9	9.1	9.2	8.4	9.8	15.5	26.1	7.2
12	E950-E959	Suicide	9.9	16.5	4.6	7.4	13.7	2.2	17.3	24.8	11.3
13	038	Septicemia	8.3	10.2	6.7	8.4	10.2	6.9	8.1	10.4	6.2
14	490-493	Bronchitis, emphysema and asthma	7.7	10.6	5.4	6.2	8.0	4.7	12.1	18.3	7.2
15	740-759	Congenital anomalies	5.8	6.9	4.8	7.0	8.4	5.8	2.3	2.6	2.1
16	582-584	Chronic and unqualified nephritis and renal sclerosis	5.5	5.9	5.1	7.2	7.5	6.9	0.6	1.3	-
17	010-019	Tuberculosis	4.9	8.6	1.9	5.8	10.2	2.2	2.3	3.9	1.0
18	550-553,560	Hernia and intestinal obstruction	4.9	4.0	5.6	4.0	2.7	5.1	7.5	7.8	7.2
19	400,401,403	Hypertension	3.7	4.6	2.9	3.6	4.0	3.3	4.0	6.5	2.1
20	210-239	Benign Neoplasms and Neoplasms of etc. .	3.4	3.6	3.2	3.0	3.5	2.5	4.6	3.9	5.1
21	All others	Residual	125.9	151.9	104.8	121.4	152.1	96.3	138.7	151.2	128.7

Table 16.--RESIDENT AGE-ADJUSTED DEATH RATES FROM 20 LEADING CAUSES, BY RACE AND SEX: DISTRICT OF COLUMBIA, 1978

Rank for total deaths	ICDA Code 8th Revision	Cause of death	Rates per 100,000 population								
			Total			Black			White		
			Total	Male	Female	Total	Male	Female	Total	Male	Female
		All Causes	801.3	1,087.0	599.2	940.2	1,273.3	694.3	551.0	730.7	436.4
1	390-398,402,404,410-429	Diseases of heart	228.3	313.5	170.0	262.4	344.3	202.5	177.1	256.5	127.9
2	140-209	Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues.	178.1	238.0	139.8	214.1	298.3	155.2	126.5	145.0	117.8
3	430-438	Cerebrovascular diseases	55.9	63.3	50.4	61.7	71.1	54.5	42.9	45.5	41.8
4	571	Cirrhosis of liver	41.5	60.1	27.3	52.6	75.6	35.1	18.3	28.6	10.8
5	470-474,480-486	Influenza and pneumonia	26.2	38.7	17.4	31.3	47.0	20.0	18.2	26.8	11.5
6	E800-E949	Accidents	30.7	51.3	14.2	35.9	63.0	15.1	20.1	27.9	13.8
7	440	Arteriosclerosis	16.2	19.8	14.1	15.6	20.0	12.7	16.6	19.3	15.3
8	E960-E978	Homicide	24.9	46.1	7.7	32.7	62.4	9.6	5.7	8.6	3.1
9	760-769.2,769.4-772, 774-778	Certain causes of mortality in early infancy	29.0	29.1	28.9	30.2	30.6	29.9	16.4	13.4	19.1
10	250	Diabetes mellitus	14.0	13.7	13.7	19.6	17.6	20.5	5.9	6.1	6.0
11	441-448	Other diseases of arteries, arterioles and capillaries	7.6	10.7	5.9	8.8	9.0	8.7	5.5	12.3	1.9
12	E950-E959	Suicide	9.4	16.4	3.6	7.8	15.1	2.1	13.2	20.3	6.9
13	038	Septicemia	6.2	8.6	4.7	8.3	10.6	6.6	2.6	4.5	1.6
14	490-493	Bronchitis, emphysema and asthma	5.8	8.9	4.0	6.1	8.6	4.5	4.5	8.4	2.5
15	740-759	Congenital anomalies	7.1	7.8	6.4	7.1	7.8	6.5	7.3	8.9	6.1
16	582-584	Chronic and unqualified nephritis and renal sclerosis	4.2	5.1	3.6	7.0	8.1	6.2	0.2	0.6	-
17	010-019	Tuberculosis	4.0	7.6	1.5	5.8	10.9	2.1	1.0	2.1	0.3
18	550-553,560	Hernia and intestinal obstruction	3.6	3.2	3.8	3.8	2.9	4.7	3.1	4.2	2.2
19	400,401,403	Hypertension	2.7	4.0	1.7	3.6	4.4	2.9	1.4	3.1	0.5
20	210-239	Benign Neoplasms and Neoplasms of unspecified nature	2.5	3.0	2.2	2.9	3.6	2.3	1.5	1.7	1.4
21	All others	Residual	104.1	138.0	78.0	122.8	163.1	92.6	62.9	87.1	45.8

Table 17.—PRINCIPAL CAUSES OF DEATH OF RESIDENTS BY AGE GROUP AND SEX WITH RATES: DISTRICT OF COLUMBIA, 1978

ICD Code 8th Revision	Cause of death and age	Male		ICD Code 8th Revision	Cause of death and age	Female	
		Number	Rate[1]			Number	Rate[1]
	1–4 years				1–4 years		
	Total	14	85.0		Total	9	54.7
E800–E949	Accidents	6	36.4	E800–E949	Accidents	3	18.2
320	Meningitis	2	12.1	140–209	Malignant neoplasms	1	6.1
140–209	Malignant neoplasms	1	6.1	390–398, 402, 404,	Diseases of heart		
740–759	Congenital anomalies	1	6.1	410–429		1	6.1
Residual	All other causes	4	24.3	740–759	Congenital anomalies	1	6.1
				Residual	All other causes	3	18.2
	5–14 years				5–14 years		
	Total	20	41.5		Total	13	26.9
E800–E949	Accidents	8	16.6	E800–E949	Accidents	6	12.4
140–209	Malignant neoplasms	2	4.1	740–759	Congenital anomalies	3	6.2
390–398, 402, 404,	Diseases of heart			140–209	Malignant neoplasms	1	2.1
410–429		1	2.1	Residual	All other causes	3	6.2
430–438	Cerebrovascular disease	1	2.1				
470–474, 480–486	Influenza and pneumonia	1	2.1				
740–759	Congenital anomalies	1	2.1				
Residual	All other causes	6	12.4				
	15–24 years				15–24 years		
	Total	76	136.9		Total	29	42.0
E960–E978	Homicide	27	48.6	E960–E978	Homicide	4	5.8
E800–E949	Accidents	18	32.4	140–209	Malignant neoplasms	4	5.8
E950–E959	Suicide	6	10.8	390–398, 402, 404,	Diseases of heart		
140–209	Malignant neoplasms	5	9.0	410–429		4	5.8
390–398, 402, 404,	Diseases of heart			430–438	Cerebrovascular disease	2	2.9
410–429		5	9.0	470–474, 480–486	Influenza and pneumonia	2	2.9
740–759	Congenital anomalies	2	3.6	740–759	Congenital anomalies	1	1.4
Residual	All other causes	13	23.4	Residual	All other causes	12	17.4

Table 17.--PRINCIPAL CAUSES OF DEATH OF RESIDENTS BY AGE GROUP AND SEX WITH RATES: DISTRICT OF COLUMBIA, 1978--CONTINUED

ICD Code 8th Revision	Cause of death and age	Male		ICD Code 8th Revision	Cause of death and age	Female	
		Number	Rate[1]			Number	Rate[1]
	25–44 years				25–44 years		
	Total	477	530.0		Total	160	146.8
E960–E978	Homicide	78	86.7	140–209	Malignant neoplasms	33	30.3
E800–E949	Accidents	49	54.4	571	Cirrhosis of liver	28	25.7
390–398, 402, 404,	Diseases of heart			E960–E978	Homicide	15	13.8
410–429		45	50.0	390–398, 402, 404,	Diseases of heart		
571	Cirrhosis of liver	43	47.8	410–429		12	11.0
140–209	Malignant neoplasms, etc	28	31.1	430–438	Cerebrovascular disease	9	8.3
E950–E959	Suicide	22	24.4	E800–E949	Accidents	6	5.5
470–474, 480–486	Influenza and pneumonia	18	20.0	E950–E959	Suicide	6	5.5
430–438	Cerebrovascular disease	17	18.9	038	Septicemia	3	2.8
Residual	All other causes	177	196.7	Residual	All other causes	48	44.0
	45–64 years				45–64 years		
	Total	1,266	2048.5		Total	774	981.0
390–398, 402, 404,	Diseases of heart			140–209	Malignant neoplasms	270	342.2
410–429		391	632.7	390–398, 402, 404,	Diseases of heart		
140–209	Malignant neoplasms	347	561.5	410–429		191	242.1
571	Cirrhosis of liver	117	189.3	571	Cirrhosis of liver	60	76.0
430–438	Cerebrovascular disease	68	110.0	430–438	Cerebrovascular disease	59	74.8
470–474, 480–486	Influenza and pneumonia	44	71.2	250	Diabetes mellitus	23	29.2
E800–E949	Accidents	43	69.6	E800–E949	Accidents	18	22.8
E960–E978	Homicide	30	48.5	470–474, 480–486	Influenza and pneumonia	11	13.9
250	Diabetes mellitus	25	40.5	441–448	Other diseases of arteries, arterioles		
Residual	All other causes	201	325.2		and capill	9	11.4
				Residual	All other causes	133	168.6

Table 17.--PRINCIPAL CAUSES OF DEATH OF RESIDENTS BY AGE GROUP AND SEX WITH RATES: DISTRICT OF COLUMBIA 1978--CONTINUED

ICD Code 8th Revision	Cause of death and age	Male		ICD Code 8th Revision	Cause of death and age	Female	
		Number	Rate[1]			Number	Rate[1]
	65 years and over				65 years and over		
	Total	1,800	6870.2		Total	2,115	4509.6
390-398, 402, 404, 410-429	Diseases of heart	684	2610.7	390-398, 402, 404, 410-429	Diseases of heart	827	1763.3
140-209	Malignant neoplasms	462	1763.4	140-209	Malignant neoplasms	433	923.2
430-438	Cerebrovascular disease	146	557.3	430-438	Cerebrovascular disease	237	505.3
440	Arteriosclerosis	73	278.6	440	Arteriosclerosis	97	206.8
470-474, 480-486	Influenza and pneumonia	69	263.4	470-474, 480-486	Influenza and pneumonia	81	172.7
E800-E949	Accidents	34	129.8	250	Diabetes mellitus	57	121.5
441-448	Other diseases of arteries, arterioles and capill.	29	110.7	E800-E949	Accidents	27	57.6
571	Cirrhosis of liver	27	103.1	441-448	Other diseases of arteries, arterioles, etc.	23	49.0
Residual	All other causes	276	1053.4	Residual	All other causes	333	710.0

[1]Rates per 100,000 population in specified group.

TABLE 18. DEATHS FROM 20 LEADING CAUSES BY AGE, RACE AND SEX DISTRICT OF COLUMBIA, 1978

	ALL AGES	UNDER 1	AGE (IN YEARS) 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 AND OVER	NOT STATED
TOTAL																					
TOTAL	6959	242	23	22	11	28	77	101	116	145	196	279	451	639	671	810	834	730	680	891	13
RACE																					
BLACK																					
MALE	2713	120	14	9	6	19	45	69	73	93	120	147	245	337	324	343	291	191	120	140	7
FEMALE	2063	109	6	9	4	7	20	22	30	37	51	108	140	186	188	235	259	223	185	242	2
WHITE																					
MALE	1026	6	-	4	1	2	10	4	8	10	21	13	37	71	92	127	152	152	154	160	2
FEMALE	1157	7	3	-	-	-	2	6	5	5	4	11	29	45	67	105	132	164	221	349	2
CAUSE OF DEATH																					
DISEASES OF HEART																					
TOTAL	2168	1	1	1	-	2	7	6	11	13	27	62	110	193	217	278	323	288	274	353	4
RACE																					
BLACK																					
MALE	736	-	-	-	-	1	4	4	7	11	15	32	61	115	104	118	110	66	35	51	2
FEMALE	631	1	-	-	-	1	3	2	4	2	4	20	31	52	58	75	110	93	73	101	1
WHITE																					
MALE	392	-	-	1	-	-	-	-	-	-	-	8	8	12	21	38	53	60	67	64	60	-
FEMALE	407	-	1	-	-	-	-	-	-	-	-	-	2	6	5	17	27	43	62	102	141	1
MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES																					
TOTAL	1588	-	2	2	1	2	7	6	7	19	29	71	142	191	213	255	233	175	115	117	1
RACE																					
BLACK																					
MALE	636	-	1	-	1	1	1	1	2	5	13	33	67	89	107	110	92	57	32	24	-
FEMALE	462	-	-	1	-	1	3	2	3	10	10	32	54	58	56	67	60	53	21	30	1
WHITE																					
MALE	209	-	-	1	-	-	3	-	2	2	3	1	7	20	23	28	38	29	28	24	-
FEMALE	281	-	1	-	-	-	-	3	-	2	3	5	14	24	27	50	43	36	34	39	-
CEREBROVASCULAR DISEASES																					
TOTAL	530	-	-	-	1	1	2	5	1	8	12	15	24	35	41	61	65	70	82	105	2
RACE																					
BLACK																					
MALE	149	-	-	-	1	-	1	3	-	4	9	10	14	16	13	23	20	12	13	9	1
FEMALE	168	-	-	-	-	1	1	2	1	3	3	5	7	16	16	26	20	26	22	19	-
WHITE																					
MALE	77	-	-	-	-	-	-	-	-	1	-	-	1	1	4	8	10	14	16	21	1
FEMALE	136	-	-	-	-	-	-	-	-	-	-	-	2	2	8	4	15	18	31	56	-
CIRRHOSIS OF LIVER																					
TOTAL	297	1	-	-	-	-	1	5	14	18	34	44	52	53	28	27	11	6	2	-	1

TABLE 18. DEATHS FROM 20 LEADING CAUSES BY AGE, RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	ALL AGES	UNDER 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 AND OVER	NOT STATED
									AGE (IN YEARS)												
CIRRHOSIS OF LIVER																					
RACE																					
BLACK																					
MALE	155	-	-	-	-	-	-	3	7	12	18	23	30	32	12	12	3	2	-	-	1
FEMALE	94	1	-	-	-	-	1	2	7	6	12	17	13	11	9	7	5	2	1	-	-
WHITE																					
MALE	33	-	-	-	-	-	-	-	-	-	3	1	7	6	6	5	2	1	1	-	-
FEMALE	15	-	-	-	-	-	-	-	-	-	1	3	2	4	1	3	-	1	-	-	-
INFLUENZA AND PNEUMONIA																					
TOTAL	234	5	-	1	-	1	2	4	5	4	7	9	15	19	12	24	21	25	25	55	-
RACE																					
BLACK																					
MALE	98	-	-	-	-	-	1	3	4	4	5	8	9	13	6	10	13	7	6	9	-
FEMALE	61	5	-	-	-	1	1	1	-	-	1	1	3	3	2	10	4	5	7	17	-
WHITE																					
MALE	35	-	-	1	-	-	-	-	1	-	1	-	3	3	2	4	2	5	5	8	-
FEMALE	40	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	8	7	21	-
ACCIDENTS																					
TOTAL	226	7	9	8	6	5	14	17	16	11	11	13	13	15	20	15	16	8	10	12	-
RACE																					
BLACK																					
MALE	135	4	6	5	2	3	11	13	13	11	9	8	11	6	12	9	8	2	1	1	-
FEMALE	42	3	2	3	3	-	-	1	2	-	2	5	-	3	6	4	3	-	3	2	-
WHITE																					
MALE	27	-	-	-	1	2	2	3	-	-	-	-	1	3	2	1	3	3	3	3	-
FEMALE	22	-	1	-	-	-	1	-	1	-	-	-	1	3	-	1	2	3	3	6	-
ARTERIOSCLEROSIS																					
TOTAL	174	-	-	-	-	-	-	-	-	-	-	-	-	2	1	8	14	16	45	87	1
RACE																					
BLACK																					
MALE	42	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3	2	5	14	15	-
FEMALE	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	4	12	17	-
WHITE																					
MALE	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	6	19	1
FEMALE	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	13	36	-
HOMICIDE																					
TOTAL	173	1	-	-	-	10	21	32	28	16	17	8	12	11	6	5	2	2	1	1	-
RACE																					
BLACK																					
MALE	133	1	-	-	-	8	18	27	22	14	12	7	9	10	2	2	1	-	-	-	-
FEMALE	27	-	-	-	-	2	2	5	4	1	3	1	2	1	2	2	1	-	-	1	-
WHITE																					
MALE	8	-	-	-	-	-	1	-	1	-	2	-	1	-	1	1	-	1	-	-	-
FEMALE	5	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	1	1	-	-

TABLE 18. DEATHS FROM 20 LEADING CAUSES BY AGE, RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	ALL AGES	UNDER 1	AGE (IN YEARS) 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 AND OVER	NOT STATED
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY																					
TOTAL	153	153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RACE																					
BLACK																					
MALE	74	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEMALE	71	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITE																					
MALE	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEMALE	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIABETES MELLITUS																					
TOTAL	129	-	-	-	-	1	-	-	1	1	-	5	8	14	21	21	14	15	13	15	-
RACE																					
BLACK																					
MALE	38	-	-	-	-	1	-	-	-	1	-	1	7	4	11	4	4	2	2	1	-
FEMALE	64	-	-	-	-	-	-	-	-	-	-	4	1	8	7	14	8	5	10	7	-
WHITE																					
MALE	10	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	-	1	4	-
FEMALE	17	-	-	-	-	-	-	-	1	-	-	-	-	2	1	2	-	8	-	3	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES																					
TOTAL	73	-	-	-	-	-	1	1	-	-	1	3	2	6	7	12	11	10	6	13	-
RACE																					
BLACK																					
MALE	19	-	-	-	-	-	-	-	-	-	1	2	-	3	2	6	2	2	-	1	-
FEMALE	27	-	-	-	-	-	1	1	-	-	-	-	2	3	4	2	5	2	1	6	-
WHITE																					
MALE	20	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	4	5	3	3	-
FEMALE	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	3	-
SUICIDE																					
TOTAL	87	-	-	-	1	-	6	9	6	9	4	4	7	2	9	4	3	1	1	1	-
RACE																					
BLACK																					
MALE	31	-	-	-	1	-	4	5	4	6	3	2	3	-	2	1	-	-	-	-	-
FEMALE	6	-	-	-	-	-	-	1	1	-	-	-	1	-	1	1	-	1	-	-	-
WHITE																					
MALE	15	-	-	-	-	-	2	1	-	2	1	2	2	2	4	-	1	-	1	1	-
FEMALE	11	-	-	-	-	-	-	2	1	1	-	-	1	-	2	2	2	-	-	-	-
SEPTICEMIA																					
TOTAL	56	3	-	-	-	-	-	-	-	2	1	2	2	4	3	6	9	7	7	10	-

TABLE 18. DEATHS FROM 20 LEADING CAUSES BY AGE, RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	ALL AGES	UNDER 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 AND OVER	NOT STATED
SEPTICEMIA																					
RACE																					
BLACK																					
MALE	23	20	-	-	-	-	-	-	-	-	-	1	1	4	3	4	3	2	2	1	-
FEMALE	19	1	-	-	-	-	-	-	-	2	1	1	1	-	-	2	2	3	1	5	-
WHITE																					
MALE	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2	2	-
FEMALE	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	-
BRONCHITIS, EMPHYSEMA AND ASTHMA																					
TOTAL	52	1	-	-	-	-	1	-	1	2	1	2	1	6	7	10	5	7	6	2	-
RACE																					
BLACK																					
MALE	18	-	-	-	-	-	-	-	-	2	-	1	1	2	3	4	1	2	1	1	-
FEMALE	13	1	-	-	-	-	1	-	1	-	1	1	-	3	1	-	-	1	2	1	-
WHITE																					
MALE	14	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	3	2	3	-	-
FEMALE	7	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	2	-	-	-
CONGENITAL ANOMALIES																					
TOTAL	36	28	2	4	-	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
RACE																					
BLACK																					
MALE	15	15	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEMALE	16	10	1	3	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
WHITE																					
MALE	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FEMALE	2	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRONIC AND UNQUALIFIED NEPHRITIS AND RENAL SCLEROSIS																					
TOTAL	37	-	-	-	-	-	1	3	-	1	-	1	3	6	2	5	3	7	3	2	-
RACE																					
BLACK																					
MALE	17	-	-	-	-	-	-	2	-	1	-	-	2	1	2	2	1	5	1	-	-
FEMALE	15	-	-	-	-	-	1	1	-	-	-	1	1	5	-	3	1	2	2	2	-
WHITE																					
MALE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
TUBERCULOSIS, ALL FORMS																					
TOTAL	33	-	-	-	-	-	-	-	1	2	2	2	4	5	2	2	6	1	3	1	1
RACE																					
BLACK																					
MALE	23	-	-	-	-	-	-	-	1	1	1	2	3	2	1	2	5	1	-	1	1

TABLE 18. DEATHS FROM 20 LEADING CAUSES BY AGE, RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	ALL AGES	AGE (IN YEARS) UNDER 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 AND OVER	NOT STATED
TUBERCULOSIS, ALL FORMS																					
RACE																					
BLACK																					
FEMALE	6	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-	-	-	2	-	-
WHITE																					
MALE	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-
FEMALE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
HERNIA AND INTESTINAL OBSTRUCTION																					
TOTAL	33	1	-	-	-	-	-	-	2	1	2	-	-	4	3	3	2	4	3	6	1
RACE																					
BLACK																					
MALE	6	1	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	-	-	-	1
FEMALE	14	-	-	-	-	-	-	-	1	1	1	-	-	3	-	1	2	2	1	2	-
WHITE																					
MALE	6	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	1	-	1	1	-
FEMALE	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	3	-
HYPERTENSION																					
TOTAL	25	-	-	-	-	-	-	-	-	-	2	1	1	2	2	1	1	4	4	7	-
RACE																					
BLACK																					
MALE	9	-	-	-	-	-	-	-	-	-	2	-	1	1	2	-	1	-	-	2	-
FEMALE	9	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	3	2	2	-
WHITE																					
MALE	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	1	-
FEMALE	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE																					
TOTAL	23	-	-	-	-	-	1	-	-	-	-	1	2	1	4	2	5	2	2	3	-
RACE																					
BLACK																					
MALE	8	-	-	-	-	-	-	-	-	-	-	1	-	1	3	-	-	1	-	2	-
FEMALE	7	-	-	-	-	-	1	-	-	-	-	-	2	-	1	-	1	-	2	-	-
WHITE																					
MALE	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-
FEMALE	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	1	-
RESIDUAL																					
TOTAL	851	41	9	6	2	5	11	12	22	38	45	36	53	70	73	76	85	82	78	101	2
RACE																					
BLACK																					
MALE	344	23	6	3	1	4	4	8	13	21	29	16	26	36	37	31	25	25	13	22	1

TABLE 18. DEATHS FROM 20 LEADING CAUSES BY AGE, RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	ALL AGES	AGE (IN YEARS) UNDER 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 AND OVER	NOT STATED
RESIDUAL																					
RACE																					
BLACK																					
FEMALE	266	16	3	2	1	1	5	3	5	11	13	19	21	19	24	18	31	21	23	30	-
WHITE																					
MALE	116	1	-	1	-	-	2	-	3	5	3	-	3	11	6	16	15	19	18	13	-
FEMALE	125	1	-	-	-	-	-	1	1	1	-	1	3	4	6	11	18	17	24	36	1

TABLE 19.--NUMBER OF RESIDENT DEATHS AND CRUDE AND AGE-ADJUSTED DEATH RATES BY AGE, RACE AND SEX: DISTRICT OF COLUMBIA, 1978

Age (in years)	Total			Black			White		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
NUMBER									
TOTAL.....	6,959	3,739	3,220	4,776	2,713	2,063	2,183	1,026	1,157
Under 5.....	265	140	125	249	134	115	16	6	10
5-14.....	33	20	13	28	15	13	5	5	-
15-24.....	105	76	29	91	64	27	14	12	2
25-34.....	217	154	63	194	142	52	23	12	11
35-44.....	341	244	97	301	213	88	40	31	9
45-54.....	730	442	288	640	392	248	90	50	40
55-64.....	1,310	824	486	1,035	661	374	275	163	112
65 and over.....	3,945	1,830	2,115	2,229	1,085	1,144	1,716	745	971
Not stated.....	13	9	4	9	7	2	4	2	2
RATES									
AGE-ADJUSTED[1]....	801.3	1087.0	599.2	940.2	1273.3	694.3	551.0	730.7	436.4
CRUDE[2].....	1029.3	1234.4	862.8	950.8	1199.4	747.2	1256.0	1337.7	1191.6
Under 5.....	626.5	660.4	592.4	648.4	690.7	605.3	410.3	333.3	476.2
5-14.....	34.2	41.5	26.9	32.4	34.7	30.1	49.5	100.0	-
15-24.....	84.3	136.9	42.0	83.8	134.5	44.3	88.1	151.9	25.0
25-34.....	181.9	288.9	95.5	239.5	400.0	114.3	60.1	67.4	53.7
35-44.....	427.9	664.9	225.6	546.3	887.5	283.0	162.6	244.1	75.6
45-54.....	1011.1	1360.0	725.4	1214.4	1682.4	843.5	461.5	543.5	388.3
55-64.....	1912.4	2812.3	1239.8	2357.6	3478.9	1502.0	1117.9	1582.5	783.2
65 and over.....	5396.7	6984.7	4509.6	6157.5	7640.8	5200.0	4650.4	6208.3	3899.6

[1]Based on age-specific death rates by 5 year age groups, per 100,000 population in specified group. Computed by the direct method using as the standard population the age distribution of the total population of the United States as enumerated in 1940.

[2]Rates per 100,000 population.

TABLE 20. DEATHS FROM 70 SELECTED CAUSES BY RACE AND SEX DISTRICT OF COLUMBIA, 1978

CAUSE OF DEATH	TOTAL	TOTAL MALE	TOTAL FEMALE	RACE					
				TOTAL	BLACK MALE	BLACK FEMALE	TOTAL	WHITE MALE	WHITE FEMALE
ALL CAUSES	6,959	3,739	3,220	4,776	2,713	2,063	2,183	1,026	1,157
ENTERITIS AND OTHER DIARRHEAL DISEASES	14	8	6	13	8	5	1	-	1
TUBERCULOSIS, ALL FORMS	33	26	7	29	23	6	4	3	1
TUBERCULOSIS OF RESPIRATORY SYSTEM	29	24	5	26	22	4	3	2	1
TUBERCULOSIS, OTHER FORMS	4	2	2	3	1	2	1	1	-
MENINGOCOCCAL INFECTIONS	1	1	-	1	1	-	-	-	-
SEPTICEMIA	56	31	25	42	23	19	14	8	6
INFECTIOUS HEPATITIS	5	1	4	5	1	4	-	-	-
SYPHILIS AND ITS SEQUELAE	3	2	1	3	2	1	-	-	-
OTHER INFECTIVE AND PARASITIC DISEASES	10	8	2	9	7	2	1	1	-
MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	1,588	845	743	1,098	636	462	490	209	281
MALIGNANT NEOPLASM OF BUCCAL CAVITY AND PHARYNX	63	44	19	52	38	14	11	6	5
MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	478	249	229	337	188	149	141	61	80
MALIGNANT NEOPLASM OF RESPIRATORY SYSTEM	366	273	93	267	207	60	99	66	33
MALIGNANT NEOPLASM OF BREAST	148	2	146	80	2	78	68	-	68
MALIGNANT NEOPLASM OF GENITAL ORGANS	190	96	94	137	72	65	53	24	29
MALIGNANT NEOPLASM OF URINARY ORGANS	66	33	33	39	22	17	27	11	16
MALIGNANT NEOPLASM OF ALL OTHER AND UNSPECIFIED SITES	191	107	84	138	82	56	53	25	28
LEUKEMIA	32	19	13	23	14	9	9	5	4
OTHER NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	54	22	32	25	11	14	29	11	18
BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE	23	11	12	15	8	7	8	3	5
DIABETES MELLITUS	129	48	81	102	38	64	27	10	17
AVITAMINOSES AND OTHER NUTRITIONAL DEFICIENCIES	6	4	2	6	4	2	-	-	-
ANEMIAS	19	13	6	16	12	4	3	1	2
MENINGITIS	6	5	1	6	5	1	-	-	-
MAJOR CARDIOVASCULAR DISEASES	2,968	1,484	1,484	1,832	955	876	1,137	529	608
DISEASES OF HEART	2,166	1,128	1,038	1,367	736	631	759	392	407
ACTIVE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	43	17	26	26	12	14	17	5	12
HYPERTENSIVE HEART DISEASE	28	13	15	19	9	10	9	4	5
HYPERTENSIVE HEART AND RENAL DISEASE	26	8	18	9	2	7	17	6	11
ISCHEMIC HEART DISEASE	1,850	989	861	1,155	635	520	695	354	341
ACUTE MYOCARDIAL INFARCTION	403	209	194	214	112	102	189	97	92
OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	4	2	2	2	1	1	2	1	1
CHRONIC ISCHEMIC HEART DISEASE	1,442	778	664	938	522	416	504	256	248
ANGINA PECTORIS, ETC	1	-	1	1	-	1	-	-	-

TABLE 20. DEATHS FROM 70 SELECTED CAUSES BY RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	TOTAL	TOTAL MALE	TOTAL FEMALE	RACE					
				BLACK			WHITE		
				TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
CHRONIC DISEASE OF ENDOCARDIUM AND OTHER MYOCARDIAL INSUFFICIENCY	17	9	8	9	5	4	8	4	4
ALL OTHER FORMS OF HEART DISEASE	202	92	110	149	73	76	53	19	34
HYPERTENSION	25	14	11	18	9	9	7	5	2
CEREBROVASCULAR DISEASES	530	226	304	317	149	168	213	77	136
CEREBRAL HEMORRHAGE	111	57	54	82	46	36	29	11	18
CEREBRAL THROMBOSIS	107	44	63	49	22	27	58	22	36
CEREBRAL EMBOLISM	2	-	2	1	-	1	1	-	1
ALL OTHER CEREBROVASCULAR DISEASES	310	125	185	185	81	104	125	44	81
ARTERIOSCLEROSIS	174	77	97	83	42	41	91	35	56
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	73	39	34	46	19	27	27	20	7
ACUTE BRONCHITIS AND BRONCHIOLITIS	1	1	-	-	-	-	1	1	-
INFLUENZA AND PNEUMONIA	234	133	101	159	98	61	75	35	40
INFLUENZA	4	2	2	2	1	1	2	1	1
PNEUMONIA	230	131	99	157	97	60	73	34	39
BRONCHITIS, EMPHYSEMA AND ASTHMA	52	32	20	31	18	13	21	14	7
CHRONIC AND UNQUALIFIED BRONCHITIS	5	1	4	3	-	3	2	1	1
EMPHYSEMA	38	30	8	20	17	3	18	13	5
ASTHMA	9	1	8	8	1	7	1	-	1
PEPTIC ULCER	22	12	10	13	6	7	9	6	3
APPENDICITIS	3	-	3	2	-	2	1	-	1
HERNIA AND INTESTINAL OBSTRUCTION	33	12	21	20	6	14	13	6	7
CIRRHOSIS OF LIVER	297	188	109	249	155	94	48	33	15
CHOLELITHIASIS, CHOLECYSTITIS AND CHOLANGITIS	3	-	3	1	-	1	2	-	2
NEPHRITIS AND NEPHROSIS	44	24	20	42	23	19	2	1	1
ACUTE NEPHRITIS AND NEPHROTIC SYNDROME	7	6	1	6	6	-	1	-	1
CHRONIC AND UNQUALIFIED NEPHRITIS AND RENAL SCLEROSIS	37	18	19	36	17	19	1	1	-
INFECTIONS OF KIDNEY	14	9	5	11	7	4	3	2	1
HYPERPLASIA OF PROSTATE	5	5	-	3	3	-	2	2	-
CONGENITAL ANOMALIES	39	21	18	35	19	16	4	2	2
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	153	77	76	145	74	71	8	3	5
BIRTH INJURY, DIFFICULT LABOR, AND OTHER ANOXIC AND HYPOXIC CONDITIONS	58	29	29	53	27	26	5	2	3
OTHER CAUSES OF MORTALITY IN EARLY INFANCY	95	48	47	92	47	45	3	1	2
SYMPTOMS AND ILL-DEFINED CONDITIONS	95	47	48	72	35	37	23	12	11
ALL OTHER DISEASES	584	302	282	403	218	185	181	84	97
ACCIDENTS	226	162	64	177	135	42	45	27	22
MOTOR VEHICLE ACCIDENTS	69	49	20	51	38	13	18	11	7
ALL OTHER ACCIDENTS	157	113	44	126	97	29	31	16	15
SUICIDE	67	50	17	37	31	6	30	19	11

TABLE 20. DEATHS FROM 70 SELECTED CAUSES BY RACE AND SEX DISTRICT OF COLUMBIA, 1978 - CONTINUED

CAUSE OF DEATH	TOTAL	TOTAL MALE	FEMALE	RACE					
				TOTAL	BLACK MALE	FEMALE	TOTAL	WHITE MALE	FEMALE
HOMICIDE	173	141	32	160	133	27	13	8	5
OTHER EXTERNAL CAUSES	52	36	16	39	29	10	13	7	6

TABLE 21 DEATHS FROM 20 LEADING CAUSES BY WARD DISTRICT OF COLUMBIA, 1978

	TOTAL	WARD 1	WARD 2	WARD 3	WARD 4	WARD 5	WARD 6	WARD 7	WARD 8	NOT STATED
TOTAL	8,959	1,047	937	984	1,017	974	803	754	418	25
CAUSE OF DEATH										
DISEASES OF HEART	2,168	339	301	338	339	286	237	219	104	4
MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	1,588	216	209	232	250	226	176	187	78	4
CEREBROVASCULAR DISEASES	530	61	51	115	79	72	68	57	25	2
CIRRHOSIS OF LIVER	297	66	57	11	28	39	49	33	15	-
INFLUENZA AND PNEUMONIA	234	41	33	33	31	33	30	16	13	4
ACCIDENTS	226	33	32	22	28	29	33	32	17	1
ARTERIOSCLEROSIS	174	24	23	43	25	24	21	9	5	-
HOMICIDE	173	35	30	2	15	19	26	24	22	-
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	153	20	14	3	14	24	23	21	34	-
DIABETES MELLITUS	129	20	17	15	17	18	17	14	11	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	73	6	10	10	17	13	8	5	4	-
SUICIDE	67	7	11	13	13	9	4	7	3	-
SEPTICEMIA	56	18	5	6	7	6	5	3	5	1
BRONCHITIS, EMPHYSEMA AND ASTHMA	52	8	5	11	5	9	3	5	5	1
CONGENITAL ANOMALIES	39	4	6	4	4	5	4	4	8	-
CHRONIC AND UNQUALIFIED NEPHRITIS AND RENAL SCLEROSIS	37	5	5	-	4	7	5	8	3	-
TUBERCULOSIS, ALL FORMS	33	10	8	-	3	3	5	1	-	1
HERNIA AND INTESTINAL OBSTRUCTION	33	2	2	6	5	4	5	5	3	- 1
HYPERTENSION	25	3	3	4	2	4	3	5	1	-
BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE	23	3	3	5	5	2	2	2	1	-
RESIDUAL	851	126	112	111	117	141	80	97	61	6

TABLE 22.--INFANT DEATHS AND DEATH RATES BY AGE AND RACE, AND FETAL DEATHS BY RACE: DISTRICT OF COLUMBIA, 1970-1978 AND AVERAGES, 1950-1974

Year	Infant deaths									Fetal deaths		
	Total			Less than 28 days			Less than 7 days					
	Total	Black	White	Total	Black	White	Total	Black	White	Total	Black	White
NUMBER												
1978	242	229	13	179	168	11	164	154	10	137	125	12
1977	270	251	19	203	189	14	172	159	13	160	152	8
1976	240	230	10	193	188	5	175	170	5	169	154	15
1975	279	254	25	220	198	22	194	174	20	149	138	11
1974	277	255	22	216	196	20	181	167	14	140	127	13
1973	276	245	31	208	185	23	182	164	18	141	127	14
1972	323	296	27	235	213	22	209	194	15	250	216	34
1971	396	368	28	294	273	21	274	255	19	286	240	46
1970	432	389	43	339	303	36	302	270	32	258	228	30
ANNUAL AVERAGE												
1970-1974	341	311	30	258	234	24	230	210	20	215	188	27
1965-1969	511	451	60	387	339	48	357	312	45	314	276	38
1960-1964	684	542	142	513	402	111	470	370	100	370	295	75
1955-1959	678	498	180	520	374	146	473	340	133	355	258	97
1950-1954	628	337	291	499	255	244	444	225	219	398	237	161
RATE (PER 1,000 LIVE BIRTHS)												
1978	25.8	28.6	9.5	19.1	21.0	8.0	17.5	19.2	7.3	14.6	15.6	8.8
1977	27.3	29.5	13.9	20.5	22.2	10.2	17.4	18.7	9.5	16.2	17.9	5.8
1976	24.9	27.7	7.5	20.0	22.7	3.7	18.2	20.5	3.7	17.5	18.6	11.2
1975	28.6	30.0	19.5	22.6	23.4	17.1	19.9	20.6	15.6	15.3	16.3	8.6
1974	27.6	29.2	16.9	21.5	22.4	15.4	18.0	19.1	10.8	13.9	14.5	10.0
1973	25.5	26.0	21.8	19.2	19.7	16.2	16.8	17.4	12.6	13.0	13.5	9.8
1972	27.2	28.1	19.7	19.8	20.3	16.1	17.6	18.4	11.0	21.0	20.5	24.9
1971	28.5	30.3	15.7	21.1	22.5	11.8	19.7	21.0	10.7	20.6	19.8	25.8
1970	28.9	29.7	23.0	22.7	23.1	19.3	20.2	20.6	17.1	17.2	17.4	16.1
ANNUAL AVERAGE												
1970-1974	27.7	28.9	19.4	20.9	21.7	15.5	18.7	19.5	12.9	17.4	17.4	17.4
1965-1969	32.3	34.3	22.7	24.5	25.8	18.1	22.6	23.7	17.0	19.9	21.0	14.4
1960-1964	34.6	38.1	25.3	26.0	28.3	20.0	23.8	26.0	18.0	18.7	20.7	13.5
1955-1959	34.3	39.6	25.1	26.3	29.7	20.4	24.0	27.0	18.6	18.0	20.5	13.6
1950-1954	30.6	34.3	27.2	24.3	26.0	22.8	21.6	22.9	20.5	19.4	24.1	15.0

TABLE 23.--RESIDENT INFANT DEATHS AND DEATH RATES BY AGE: DISTRICT OF COLUMBIA, 1960-1978

Year	Number						Rate per 1,000 live births					
	All ages	Under 28 days				28 days-11 months	All ages	Under 28 days				28 days-11 months
		Total	Under 1 day	1-6 days	7-27 days			Total	Under 1 day	1-6 days	7-27 days	
1978....	242	179	111	53	15	63	25.8	19.1	11.8	5.7	1.6	6.7
1977....	270	203	116	56	31	67	27.3	20.5	11.7	5.7	3.1	6.8
1976....	240	193	116	59	18	47	24.9	20.0	12.0	6.1	1.9	4.9
1975....	279	220	129	65	26	59	28.6	22.6	13.2	6.7	2.7	6.1
1974....	277	216	119	62	35	61	27.6	21.5	11.9	6.2	3.5	6.1
1973....	276	208	122	60	26	68	25.5	19.2	11.3	5.5	2.4	6.3
1972....	323	235	142	67	26	88	27.2	19.8	11.9	5.6	2.2	7.4
1971....	396	294	192	82	20	102	28.5	21.1	13.8	5.9	1.4	7.3
1970....	432	339	215	87	37	93	28.9	22.7	14.4	5.8	2.5	6.2
1969....	428	333	223	76	34	95	29.0	22.6	15.1	5.2	2.3	6.4
1968....	467	353	228	99	26	114	32.0	24.2	15.6	6.8	1.8	7.8
1967....	474	369	256	92	21	105	30.3	23.5	16.3	5.9	1.3	6.7
1966....	578	441	296	113	32	137	35.3	26.9	18.1	6.9	2.0	8.4
1965....	611	441	282	120	39	170	34.7	25.1	16.0	6.8	2.2	9.7
1964....	656	493	311	129	53	163	34.5	25.9	16.4	6.8	2.8	8.6
1963....	653	475	283	156	36	178	32.9	23.9	14.3	7.9	1.8	9.0
1962....	690	516	328	146	42	174	34.6	25.9	16.4	7.3	2.1	8.7
1961....	712	547	360	143	44	165	35.2	27.0	17.8	7.1	2.2	8.1
1960....	708	534	336	160	38	174	35.8	27.0	17.0	8.1	1.9	8.8

TABLE 24.--INFANT DEATH RATES BY WARD AND AGE: DISTRICT OF COLUMBIA 1977 AND 1978

Ward	All ages		Under 28 days		28 days-11 mos	
	1978	1977	1978	1977	1978	1977
Total.....	25.8	27.3	19.1	20.5	6.7	6.8
1.....	29.7	25.4	18.8	18.6	10.9	6.7
2.....	21.5	29.0	18.4	22.2	3.1	6.8
3.....	11.1	11.0	11.1	7.8	-	3.1
4.....	18.6	26.9	14.4	21.9	4.1	5.0
5.....	29.4	28.0	22.5	20.1	6.9	7.9
6.....	32.8	35.4	20.9	28.8	11.8	6.6
7.....	26.0	27.5	18.3	21.2	7.7	6.2
8.....	27.6	27.1	22.1	17.9	5.5	9.2

TABLE 25—RESIDENT INFANT DEATHS BY CAUSE AND AGE 1970

CAUSE OF DEATH	TOTAL	LESS THAN 1 DAY	1-6 DAYS	7-27 DAYS	28 DAY - 5 MOS.	6-11 MOS.
TOTAL	242	111	53	15	54	9
DIARRHEAL DISEASES	12	0	3	5	4	0
WHOPPING COUGH	0	0	0	0	0	0
MENINGOCOCCAL INFECTIONS	1	0	0	0	1	0
TETANUS	0	0	0	0	0	0
SEPTICEMIA	3	0	1	0	2	0
VIRAL DISEASES	0	0	0	0	0	0
CONGENITAL SYPHILIS	0	0	0	0	0	0
OTHER INFECTIVE AND PARASITIC DISEASES	0	0	0	0	0	0
MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	0	0	0	0	0	0
BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE	0	0	0	0	0	0
DISEASES OF THYMUS GLAND	0	0	0	0	0	0
CYSTIC FIBROSIS	0	0	0	0	0	0
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	0	0	0	0	0	0
MENINGITIS	2	0	0	0	2	0
OTHER DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS	1	0	0	0	0	1
ACUTE UPPER RESPIRATORY INFECTIONS	0	0	0	0	0	0
BRONCHITIS AND BRONCHIOLITIS	1	0	0	0	1	0
INFLUENZA AND PNEUMONIA	5	0	0	1	4	0
INFLUENZA	0	0	0	0	0	0
PNEUMONIA	5	0	0	1	4	0
OTHER CHRONIC INTERSTITIAL PNEUMONIA	0	0	0	0	0	0
ALL OTHER DISEASES OF RESPIRATORY SYSTEM	1	0	0	0	1	0
HERNIA AND INTESTINAL OBSTRUCTION	1	0	0	1	0	0
GASTRITIS, DUODENITIS, ENTERITIS, AND COLITIS OF NONINFECTIOUS ORIGIN	0	0	0	0	0	0
OTHER DISEASES OF DIGESTIVE SYSTEM	2	0	1	0	1	0
CONGENITAL ANOMALIES	24	6	8	2	4	4
ANENCEPHALUS	2	2	0	0	0	0
SPINA BIFICA	0	0	0	0	0	0
CONGENITAL HYDROCEPHALUS	1	0	0	0	0	1
OTHER CONGENITAL ANOMALIES OF CENTRAL NERVOUS SYSTEM AND EYE	0	0	0	0	0	0
CONGENITAL ANOMALIES OF HEART	10	0	3	1	3	3
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	2	0	2	0	0	0
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	1	0	1	0	0	0
CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	0	0	0	0	0	0
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	1	0	0	1	0	0
CONGENITAL ANOMALIES OF MUSCULOSKELETAL SYSTEM	2	0	2	0	0	0
DOWNS DISEASE	0	0	0	0	0	0
OTHER CONGENITAL SYNDROMES AFFECTING MULTIPLE SYSTEMS	4	3	0	0	1	0
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	1	1	0	0	0	0
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	151	105	40	6	5	1
CHRONIC CIRCULATORY AND GENITOURINARY DISEASES IN MOTHER	0	0	0	0	0	0
OTHER MATERNAL CONDITIONS UNRELATED TO PREGNANCY	1	1	0	0	0	0
SYPHILIS	0	0	0	0	0	0
DIABETES MELLITUS	0	0	0	0	0	0
RUBELLA	0	0	0	0	0	0

TABLE 25 — RESILENT INFANT DEATHS BY CAUSE AND AGE 1978-CONTINUED

CAUSE OF DEATH	TOT-AL	LESS THAN 1 DAY	1-6 DAYS	7-27 DAYS	28 DAY - 5 MOS.	6-11 MOS.
ALL OTHER MATERIAL CONDITIONS UNRELATED TO PREGNANCY	1	1	0	0	0	0
TOXEMIA OF PREGNANCY	1	1	0	0	0	0
MATERNAL ANTEPARTUM AND INTRAPARTUM INFECTION	1	1	0	0	0	0
DIFFICULT LABOR	0	0	0	0	0	0
WITH MENTION OF BIRTH INJURY	0	0	0	0	0	0
WITHOUT MENTION OF BIRTH INJURY	0	0	0	0	0	0
ALL OTHER COMPLICATIONS OF PREGNANCY AND CHILDBIRTH	16	15	0	1	0	0
CONDITIONS OF PLACENTA	3	2	1	0	0	0
CONDITIONS OF UMBILICAL CORD	0	0	0	0	0	0
BIRTH INJURY WITHOUT MENTION OF CAUSE	1	0	1	0	0	0
HEMOLYTIC DISEASE OF NEWBORN	0	0	0	0	0	0
HYALINE MEMBRANE DISEASE	13	6	6	2	1	0
RESPIRATORY DISTRESS SYNDROME	22	8	9	1	3	1
ASPHYXIA OF NEWBORN, UNSPECIFIED	21	17	3	1	0	0
ALL OTHER ANOXIC AND HYPOXIC CONDITIONS NOT ELSEWHERE CLASSIFICABLE	3	1	2	0	0	0
IMMATURITY, UNQUALIFIED	58	42	14	1	1	0
POSTMATURITY	0	0	0	0	0	0
HEMORRHAGIC DISEASE OF NEWBORN	5	1	4	0	0	0
ALL OTHER CONDITIONS OF NEWBORN	10	10	0	0	0	0
SUDDEN DEATH	10	0	0	0	10	0
ALL OTHER SYMPTONS AND ILL-DEFINED CONDITIONS	5	0	0	0	5	0
ACCIDENTS	7	0	0	0	5	2
INHALATION AND INGESTION OF FOOD OR OTHER OBJECT CAUSING OBSTRUCTION OR SUFFOCATION	3	0	0	0	2	1
ACCIDENTAL MECHANICAL SUFFOCATION	3	0	0	0	3	0
OTHER ACCIDENTAL CAUSES	1	0	0	0	0	1
HOMICIDE	1	0	0	0	0	1
Residual	1	0	0	0	1	0

TABLE 26.--THREE YEAR MOVING AVERAGE OF INFANT MORTALITY RATE BY AGE AT DEATH: DISTRICT OF COLUMBIA, 1961-1963 TO 1976-1978

Year	Rates per 1,000 live births				
	All ages	Less than 1 day	1-6 days	7-27 days	28 days-11 mos.
1961-1963.....	34.2	16.2	7.4	2.0	8.6
1962-1964.....	34.0	15.7	7.3	2.2	8.8
1963-1965.....	32.5	14.7	6.9	2.2	8.7
1964-1966.....	33.3	15.9	6.5	2.3	8.5
1965-1967.....	31.8	15.9	6.2	1.8	7.9
1966-1968.....	32.6	16.7	6.5	1.7	7.6
1967-1969.....	30.4	15.7	5.9	1.8	7.0
1968-1970.....	29.9	15.0	5.9	2.2	6.8
1969-1971.....	28.8	14.4	5.6	2.1	6.6
1970-1972.....	28.2	13.4	5.8	2.0	7.0
1971-1973.....	27.1	12.3	5.7	2.0	7.0
1972-1974.....	26.8	11.7	5.8	2.7	6.6
1973-1975.....	27.2	12.1	6.1	2.8	6.1
1974-1976.....	27.0	12.4	6.3	2.7	5.7
1975-1977.....	26.9	12.3	6.2	2.6	5.9
1976-1978.....	26.0	11.8	5.8	2.2	6.1

TABLE 27.--LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND TOTAL DEATHS, BY PLACE OF OCCURRENCE AND RESIDENCE: DISTRICT OF COLUMBIA, 1978

Place of occurrence resident status	Live births	Out-of-wedlock births	Infant deaths	Fetal deaths	Total deaths
Total recorded events.....	19,743	6,458	482	222	8,755
District of Columbia residents.....	8,959	5,151	237	137	6,310
Maryland residents.....	8,353	1,133	176	67	1,657
Virginia residents.....	2,341	156	55	17	471
Resident of other states.....	84	16	13	1	299
Not stated.....	6	2	1	-	18
Resident events.....	9,372	5,186	242	137	6,959
Occurring in D.C.	8,959	5,151	237	137	6,310
Occurring in other states.....	413	35	5	-	649

TABLE 28.--RECORDED NUMBER OF LIVE BIRTHS AND DEATHS; NUMBER AND RATES OF INFANT, NEONATAL AND FETAL DEATHS BY RACE: DISTRICT OF COLUMBIA, 1970-1978 AND AVERAGES 1940-1974

Race and year	Number					Rates[2]		
	Live births	Deaths	Infant deaths	Neo-natal deaths	Fetal deaths[1]	Infant deaths	Neo-natal deaths	Fetal deaths
TOTAL								
1978.....	19,743	8,755	482	374	222	24.4	18.9	11.2
1977.....	20,653	8,987	497	379	271	24.1	18.4	13.1
1976.....	19,916	9,183	480	386	279	24.1	19.4	14.0
1975.....	19,826	9,423	504	409	241	25.4	20.6	12.2
1974.....	19,865	9,786	477	376	242	24.0	18.9	12.2
1973.....	20,696	9,850	491	377	242	23.7	18.2	11.7
1972.....	22,600	10,153	569	446	366	25.2	19.7	16.2
1971.....	25,932	10,291	665	514	396	25.6	19.8	15.3
1970.....	28,141	10,526	712	558	380	25.3	19.8	13.5
AVERAGE ANNUAL								
1970-1974.....	23,447	10,121	583	454	325	24.9	19.4	13.9
1965-1969.....	28,461	10,587	754	582	448	26.5	20.4	15.7
1960-1964.....	33,190	10,415	958	727	528	28.9	21.9	15.9
1955-1959.....	33,318	9,760	946	740	531	28.4	22.2	15.9
1950-1954.....	31,135	8,974	785	628	540	25.2	20.2	17.3
1945-1949.....	26,558	8,617	821	632	571	30.9	23.8	21.5
1940-1944.....	20,279	8,922	887	611	534	43.7	30.1	26.3

[1]Includes only fetal deaths for which period of gestation was given as 20 weeks or more or was not stated.

[2]Per 1,000 live births.

TABLE 28.--RECORDED NUMBER OF LIVE BIRTHS AND DEATHS; NUMBER AND RATES OF INFANT, NEONATAL AND FETAL DEATHS BY RACE: DISTRICT OF COLUMBIA, 1970-1978 AND AVERAGES 1940-1974-CONTINUED

Race and year	Number					Rates[2]		
	Live births	Deaths	Infant deaths	Neo-natal deaths	Fetal deaths[1]	Infant deaths	Neo-natal deaths	Fetal deaths
BLACK								
1978.....	11,512	5,097	321	252	156	27.9	21.9	13.6
1977.....	11,967	5,121	333	255	197	27.8	21.3	16.5
1976.....	11,544	5,167	327	270	201	28.3	23.4	17.4
1975.....	11,351	5,166	309	246	179	27.2	21.7	15.8
1974.....	11,147	5,290	307	240	160	27.5	21.5	14.4
1973.....	11,734	5,240	304	231	160	25.9	19.7	13.6
1972.....	12,709	5,383	330	243	248	26.0	19.1	19.5
1971.....	14,188	5,328	420	313	264	29.6	22.1	18.6
1970.....	15,007	5,270	443	351	257	29.5	23.4	17.1
AVERAGE ANNUAL								
1970-1974.....	12,957	5,302	361	276	218	27.9	21.3	16.8
1965-1969.....	14,000	5,122	473	357	286	33.8	25.5	20.4
1960-1964.....	14,766	4,484	562	415	307	38.1	28.1	20.8
1955-1959.....	13,329	3,785	520	390	274	39.0	29.3	20.6
1950-1954.....	10,895	3,301	363	301	263	33.3	27.6	24.1
1945-1949.....	7,856	3,070	340	253	265	43.3	32.2	33.7
1940-1944.....	5,488	3,148	408	260	227	74.3	47.4	41.4

[1]Includes only fetal deaths for which period of gestation was given as 20 weeks or more or was not stated.

[2]Per 1,000 live births.

TABLE 28.--RECORDED NUMBER OF LIVE BIRTHS AND DEATHS; NUMBER AND RATES OF INFANT, NEONATAL AND FETAL DEATHS BY RACE: DISTRICT OF COLUMBIA, 1970-1978 AND AVERAGES 1940-1974-CONTINUED

Race and year	Number					Rates[2]		
	Live births	Deaths	Infant deaths	Neo-natal deaths	Fetal deaths[1]	Infant deaths	Neo-natal deaths	Fetal deaths
WHITE								
1978.....	8,231	3,658	161	122	66	19.6	14.8	8.0
1977.....	8,686	3,866	164	124	74	18.9	14.3	8.5
1976.....	8,372	4,016	153	116	78	18.3	13.9	9.3
1975.....	8,475	4,257	195	163	62	23.0	19.2	7.3
1974.....	8,718	4,496	170	136	82	19.5	15.6	9.4
1973.....	8,962	4,610	187	146	82	20.9	16.3	9.1
1972.....	9,891	4,770	239	203	118	24.2	20.5	11.9
1971.....	11,744	4,963	245	201	132	20.9	17.1	11.2
1970.....	13,134	5,256	269	207	123	20.5	15.8	9.4
AVERAGE ANNUAL								
1970-1974.....	10,490	4,819	222	179	107	21.2	17.1	10.2
1965-1969.....	14,461	5,465	281	225	162	19.4	15.6	11.2
1960-1964.....	18,424	5,931	396	312	221	21.5	16.9	12.0
1955-1959.....	19,989	5,975	426	350	257	21.3	17.5	12.9
1950-1954.....	20,240	5,673	422	327	277	20.8	16.2	13.7
1945-1949.....	18,702	5,547	481	379	306	25.7	20.3	16.4
1940-1944.....	14,791	5,774	479	351	307	32.4	23.7	20.8

[1]Includes only fetal deaths for which period of gestation was given as 20 weeks or more or was not stated.

[2]Per 1,000 live births.

Table 29.--RESIDENT LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, BIRTHS WITH NO PRENATAL CARE, IMMATURE BIRTHS[1], TOTAL DEATHS AND INFANT DEATHS BY CENSUS TRACT: DISTRICT OF COLUMBIA, 1978

Census tract	Live births	Out-of-wedlock births	Live births with no prenatal care	Immature births	Deaths	
					All ages	Under 1 year of age
Total	9,372	5,186	386	1,239	6,959	242
Resident unknown	24	11	1	3	25	1
1	34	1	1	3	36	-
2	25	2	-	3	19	1
3	37	2	-	6	32	-
4	6	1	-	-	18	-
5.1	12	3	-	1	41	-
5.2	31	8	-	2	42	-
6	27	2	-	2	69	1
7	41	2	1	2	110	1
8	99	48	1	9	79	2
9	36	2	-	1	50	-
10.1	54	4	-	4	88	-
10.2	19	3	1	-	29	-
11	44	4	-	-	66	-
12	30	2	-	3	59	1
13	48	5	-	5	141	-
14	43	1	-	1	77	-
15	55	3	-	1	69	1
16	33	9	-	4	38	-
17	69	23	2	5	58	-
18.1	8	4	-	1	3	-
18.2	92	39	1	14	79	4
19	82	42	4	10	88	2
20	68	37	5	6	89	3
21.1	99	58	-	16	76	1

Table 29.—RESIDENT LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, BIRTHS WITH NO PRENATAL CARE, IMMATURE BIRTHS[1], TOTAL DEATHS AND INFANT DEATHS BY CENSUS TRACT: DISTRICT OF COLUMBIA, 1978-CONTINUED

Census tract	Live births	Out-of-wedlock births	Live births with no prenatal care	Immature births	Deaths	
					All ages	Under 1 year of age
21.2	73	38	1	9	81	1
22.1	44	19	3	9	48	-
22.2	49	28	2	5	41	-
23.1	45	28	1	6	64	4
23.2	1	1	-	1	117	-
24	69	36	4	8	53	-
25.1	27	15	4	5	27	-
25.2	80	37	2	11	64	-
26	18	4	-	2	32	2
27.1	75	29	3	9	50	1
27.2	78	23	2	10	57	-
28	152	86	5	16	62	2
29	86	55	2	15	72	3
30	46	32	1	6	36	-
31	53	34	1	8	43	1
32	64	40	2	12	80	4
33.1	56	43	4	3	68	-
33.2	54	41	3	10	48	1
34	63	48	-	14	54	2
35	41	25	1	6	55	2
36	80	52	2	9	50	5
37	91	53	2	20	94	4
38	74	37	3	6	31	3
39	91	28	-	8	40	2
40	59	16	-	8	54	2
41	28	5	-	2	35	-
42.1	65	30	4	11	58	2
42.2	35	14	1	2	23	-

Table 29.—RESIDENT LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, BIRTHS WITH NO PRENATAL CARE, IMMATURE BIRTHS[1], TOTAL DEATHS AND INFANT DEATHS BY CENSUS TRACT: DISTRICT OF COLUMBIA, 1978—CONTINUED

Census tract	Live births	Out-of-wedlock births	Live births with no prenatal care	Immature births	Deaths	
					All ages	Under 1 year of age
43	45	30	1	7	53	3
44	57	40	3	6	49	1
45	20	14	–	2	33	1
46	88	70	3	18	57	4
47	99	72	6	15	53	3
48.1	46	36	3	6	47	1
48.2	48	33	4	5	53	3
49.1	49	32	2	5	38	1
49.2	42	30	5	4	37	2
50	72	41	3	8	96	–
51	24	13	2	2	35	–
52.1	60	26	3	9	62	1
52.2	11	4	–	3	7	–
53.1	46	12	2	5	41	1
53.2	10	3	–	–	4	–
54.1	7	2	–	–	20	–
54.2	11	3	–	–	9	–
55	24	3	–	2	38	1
56	16	3	–	1	38	–
57.1	14	4	1	1	19	–
57.2	1	–	–	–	4	–
58	27	9	–	2	41	1
59	16	10	1	2	35	–
60.1	33	13	1	4	13	–
60.2	19	13	1	4	2	–
61	5	1	–	–	5	–
62	–	–	–	–	2	–
63.1	42	19	1	3	31	1
63.2	3	1	–	–	–	–

Table 29.—RESIDENT LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, BIRTHS WITH NO PRENATAL CARE, IMMATURE BIRTHS[1], TOTAL DEATHS AND INFANT DEATHS BY CENSUS TRACT: DISTRICT OF COLUMBIA, 1978-CONTINUED

Census tract	Live births	Out-of-wedlock births	Live births with no prenatal care	Immature births	Deaths	
					All ages	Under 1 year of age
64	75	59	5	16	29	2
65.1	8	2	-	1	10	-
65.2	7	2	-	-	8	-
66	21	5	1	1	20	-
67	46	16	1	3	37	1
68.1	41	24	--	4	44	4
68.2	45	32	2	12	37	3
68.3	1	-	-	-	-	-
69	29	19	-	3	38	2
70.1	1	1	-	-	-	-
70.2	41	26	5	7	20	2
71	51	39	5	6	49	2
72	36	29	6	7	33	2
73.1	205	5	-	19	6	3
73.2	101	60	6	10	31	3
73.3	126	82	7	16	29	5
73.4	90	62	4	18	20	-
73.6	180	109	8	30	31	3
73.7	127	63	3	12	29	4
73.8	1	-	-	-	26	-
74.1	100	80	8	12	30	4
74.2	240	161	12	47	64	9
74.4	128	97	6	15	22	-
74.5	188	115	9	26	34	4
75.1	164	105	18	25	80	8
75.3	45	33	2	5	9	-

Table 29.—RESIDENT LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, BIRTHS WITH NO PRENATAL CARE, IMMATURE BIRTHS[1], TOTAL DEATHS AND INFANT DEATHS BY CENSUS TRACT: DISTRICT OF COLUMBIA, 1978—CONTINUED

Census tract	Live births	Out-of-wedlock births	Live births with no prenatal care	Immature births	Deaths	
					All ages	Under 1 year of age
75.4	11	5	–	–	6	–
75.5	32	17	–	5	4	1
76.1	96	60	7	17	58	3
76.3	47	13	1	4	40	–
76.4	44	18	2	4	24	1
76.5	59	26	4	6	40	1
77.2	55	23	1	12	68	2
77.3	147	101	6	36	51	8
77.5	232	156	10	28	91	7
77.6	107	69	1	14	35	1
77.7	71	45	–	12	33	1
77.8	79	49	4	7	34	1
77.9	15	7	–	3	14	–
78.1	165	111	10	20	47	1
78.2	59	37	2	6	69	2
78.3	84	45	4	10	62	2
78.4	76	53	4	11	27	–
78.5	115	81	5	17	78	5
78.7	46	29	4	4	32	–
78.8	134	96	5	19	61	7
79.1	67	45	5	9	57	1
79.2	30	20	2	8	31	2
80.1	55	33	9	9	48	1
80.2	63	45	3	10	44	2
81	46	23	2	8	42	–
82.1	4	2	1	1	3	–
82.2	9	–	–	–	13	–
83.3	7	5	–	–	11	–

Table 29.—RESIDENT LIVE BIRTHS, OUT-OF-WEDLOCK BIRTHS, BIRTHS WITH NO PRENATAL CARE, IMMATURE BIRTHS[1], TOTAL DEATHS AND INFANT DEATHS BY CENSUS TRACT: DISTRICT OF COLUMBIA, 1978-CONTINUED

Census tract	Live births	Out-of-wedlock births	Live births with no prenatal care	Immature births	Deaths	
					All ages	Under 1 year of age
83.4	25	9	-	1	23	-
83.5	6	6	1	3	6	1
83.6	25	13	2	3	23	-
84.1	4	3	1	-	6	-
84.2	69	51	7	14	64	3
85	73	56	10	11	85	1
86.1	3	1	-	-	1	-
86.2	4	2	-	-	8	-
87	109	73	6	18	59	2
88.1	99	67	7	21	69	5
88.2	75	60	6	14	92	4
89.1	66	36	2	8	40	3
89.2	80	55	1	6	52	1
90	44	24	1	3	28	-
91.1	51	31	5	9	45	3
91.2	84	62	5	8	56	1
92	97	57	3	9	90	2
93	77	42	1	8	62	2
94	56	27	1	8	73	4
95.1	56	25	2	7	16	1
95.2	57	27	3	8	73	1
95.3	27	12	1	3	36	-
95.5	30	11	-	5	31	-
95.7	27	15	1	1	12	-
95.8	34	12	1	3	18	1
96	2	2	-	-	19	-
97	121	89	4	18	27	5
98	171	128	3	28	46	9

[1] With birth weights of 2,500 grams or less.

TABLE 30.--RECORDED DEATHS FROM ACCIDENTAL CAUSES BY AGE AND TYPE OF ACCIDENT: DISTRICT OF COLUMBIA, 1978

Type of accident	Age (in years)						
	Total	Under 5	5-14	15-24	25-44	45-64	65 and over
Total[1]	232	16	18	22	45	67	64
Work	15	-	-	3	8	3	1
Construction	5	-	-	1	3	1	-
Transportation and public utilities	1	-	-	-	1	-	-
Service	2	-	-	1	1	-	-
Other and unspecified industry	7	-	-	1	3	2	1
Home	104	15	4	-	14	42	29
Falls	38	-	1	-	5	18	14
Fires	39	3	2	-	6	16	12
Drowning	4	-	-	-	2	1	1
Suffocation, ingested food or object	7	5	-	-	-	2	-
Suffocation, mechanical	4	4	-	-	-	-	-
Firearms	-	-	-	-	-	-	-
Other and unspecified home accidents	12	3	1	-	1	5	2
Motor vehicle	65	1	10	13	14	13	14
Injury to pedestrian	28	1	7	1	4	10	5
Injury to pedal cyclist	3	-	1	2	-	-	-
Collision with other motor vehicle	10	-	-	3	1	3	3
Collision with fixed object	2	-	-	-	1	-	1
Noncollision	18	-	1	7	6	-	4
Other and unspecified accidents	4	-	1	-	2	-	1
Public non-motor vehicle	-	-	-	-	-	-	-
Railroad - not with motor vehicle	-	-	-	-	-	-	-
Other vehicle - not with motor vehicle	38	-	4	5	9	9	11
Water transport	-	-	-	-	-	-	-
Air transport	10	-	-	-	2	2	6
Fires	-	-	-	-	-	-	-
Drowning	11	-	3	4	3	1	-
Firearms	-	-	-	-	-	-	-
Other and unspecified public accidents	17	-	1	1	4	6	5
Accident type unknown and late effects	10	-	-	1	-	-	9

[1]Includes deaths occurring within the District of Columbia of residents and non-residents.